The
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OCTOBER 22 1960

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The CHEMIST AND DRUGGIST

Volume 174 OCTOBER 22, 1960 No. 4210

Not Officially Qualified

ILLEGAL SALE OF POISONS

A TECHNICALLY unqualified chemist was allowed to sell poisons to customers at a London pharmacy without the supervision of a registered pharmacist, it was alleged at Thames magistrates' court, London, on October 18. The prosecution said that though the man had qualified as a chemist, he had not officially been informed of it, and therefore an offence had been committed.

C. S. Nash (Chemists), Ltd., were summoned for five offences of unlawfully selling at 343 Commercial Road, Stepney, London, on July 20, poison by retail in tablet form, the sale not being effected by or under the supervision of a registered chemist. They pleaded guilty. Mr. A. C. Castle, prosecuting for the Pharmaceutical Society, said that an inspector of the Society visited the Commercial Road premises on July 20 and noticed a certificate belonging to a Mr. Cyna, one of the directors, hanging up. The inspector asked an assistant for Mr. Cyna and was told that he was at the company's other branch. Two or three hours' later the inspector saw a man called Raymond Barkley and asked him if he was qualified. The man replied that he had taken an examination and had been told he had passed. He had in fact passed the examination, but it had not been officially confirmed. Therefore he was not qualified to be in charge of a chemist's shop. "I am not suggesting that this was a danger to the public," said Mr. Castle. "But this is a warning to chemists." Nothing else of a similar nature was known against the company. Mr. R. Bax, defending, explained that the offences occurred during the holiday season. A locum had been engaged for four weeks, but the company could not get another for a short period. Mr. Barkley went to Edinburgh to take his examinations but the result had not at the time of the offence been made known, although Mr. Barkley had, in fact, passed. The magistrate said that in the circumstances there was no danger to the public. "But he [Barkley] was not officially qualified. A line has to be drawn somewhere." The company were conditionally discharged for a year on each of the summonses, on payment of £1 1s. costs on each summons.

Rubber Closures

A NEW BRITISH STANDARD

A NEW British Standard for vulcanized rubber closures for injectable products lays down tests and requirements to ensure that the closures form, with their appropriate seals, an effective barrier against micro-organisms after sterilisation of injectable products. The closures referred to are wads, flat rubber discs, plugs, with or without a skirt or flange, and caps, rubber covers held in position on the outside containers by the tension of the rubber. Rubber closures are available in a number of different formulations. The rubber itself may be either natural or synthetic. The composition of natural rubber may vary to some extent according to its source and method of preparation. To produce suitable closures, various fillers, accelerators and antioxidants are mixed with the rubber before vulcanization. As a result, the miscellaneous closures possess different properties and this standard provides methods and limits with which closures intended for use with injectable products must comply. However, it has been found impracticable to devise a set of standards which, if complied with, would ensure the compatibility of the rubber closures with pharmaceutical products with which they are used. Instead, a test for compatibility must be carried out before a rubber mix is approved and an appendix is included in the standard to provide a suggested standardised procedure for such a test. An appendix is also included covering the determination of permeability to water vapour and the standard itself provides limits for workmanship and finish, tolerances, penetrability, fragmentation, self-sealability, water extract and alkalinity or acidity, together with detailed methods of tests. Copies of the Standard (B.S. 3263:1960) may be obtained from the British Standards Institution, 2 Park Street, London, W.1, price 4s. (Postage extra.)

Students' Ski-Camp

RESERVATIONS BY NOVEMBER 15

THE Austrian Pharmaceutical Students' Association is organising a ski-camp early in 1961, to which members and friends of the International Pharmaceutical Students' Federation are invited. The camp is at Jugendheim Zellersfield, Linz, East Tyrol, and the charges are A.Sch. 300 (February 26 to March 5; A.Sch. 580 (February 15 to March 5). Remittances should be sent by November 15, to Osterreichische Apothekerbank, Wien, 9, Spitalgasse 31, with reference: Helga Schmatt, Konto 5084, "IPSF Skikurs." Further information is available from Miss A. Savage, 64 Courtfield Avenue, Harrow, Middlesex.

Vinyl Acetate (Monomer)

APPLICATION FOR ANTI-DUMPING DUTIES

THE Board of Trade states that they are considering an application for the imposition of anti-dumping duties on vinyl acetate (monomer) imported from Italy and Switzerland. Any representations which interested parties may wish to make in connection with the application should be submitted in writing to the Board of Trade not later than October 28.



Mr. L. M. Spalton, B.Pharm., M.P.S., (chairman, Winthrop Group, Ltd.), introducing Lord Boothby (right) who performed the opening ceremony of the group's new headquarters at Surbiton, Surrey, on October 18 (see p. 497).

Pesticides

APPROVED COMMON NAMES

THE following new names have been approved by the Pest Control Products Industry Standards committee and will be included in the revised British Standards now being prepared (see *C. & D.*, August 27, p. 240).

Common name	*Chemical name(s)*
chromaphon	diethyl 6,7,8,9,10,106-hexahydro-6-oxo-4a*H*-benzo[*c*]chroman-3-yl phosphorothionate
	OO-diethyl *O*-(6,7,8,9,10,106-hexahydro-6-oxo-4a*H*-benzo[*c*]chroman-3-yl) phosphorothioate
endothal-sodium	disodium 7-oxabicyclo [2,2,1]heptane-2,3-dicarboxylate disodium 3,6-epoxycyclohexane-1,2-dicarboxylate
fenthion	dimethyl 3-methyl-4-methylthiophenyl phosphorothionate
	OO-dimethyl *O*-(3-methyl-4-methylthiophenyl) phosphorothioate.
mecarbam	*S*-(*N*-ethoxycarbonyl-*N*-methyl carbamoylmethyl) diethyl phosphorothiolothionate
	S-(*N*-ethoxycarbonyl-*N*-methylcarbamoylmethyl) *OO*-diethyl phosphorodithioate

The British Standards Institution invite comments on the following draft names. They should reach Mrs. B. Joyce, 2 Park Street, London, W.1, so soon as possible.

Common name	*Chemical name(s)*
azinphos-ethyl	*S*-(3,4-dihydro-4-oxobenzo[*d*]-[1,2,3,]-triazin-3-ylmethyl)diethyl phosphorothiolothionate
	S-(3,4-dihydro-4-oxobenzo[*d*]-[1,2,3,]-triazin-3-ylmethyl) *OO*-diethyl phosphorodithioate
azinphos-methyl	*S*-(3,4-dihydro-4-oxobenzo[*d*]-[1,2,3,]-triazin-3-ylmethyl)dimethyl phosphorothiolothionate
	S-(3,4-dihydro-4-oxobenzo[*d*]-[1,2,3,]-triazin-3-ylmethyl) *OO*-dimethyl phosphorodithioate
dicloran	2,6-dichloro-4-nitroaniline
fenoprop	2-(2,4,5-trichlorophenoxy)propionic acid
mevinphos	2-methoxycarbonyl-1-methylvinyl dimethyl phosphate methyl 3-(dimethoxyphosphinyloxy) crotonate

London Docks

STOPPAGES CAUSE ANXIETY

LORD Ebbisham (president of the London Chamber of Commerce) has written to the Prime Minister on behalf of all port users on the grave position at the London docks. In his letter Lord Ebbisham emphasises the serious damage to the national economy resulting from frequent stoppages and particularly from the recent unofficial strike of tally clerks. The labour situation, he writes, has for years caused serious anxiety to the business community. Heavy losses from the hold-up of goods urgently needed, the cancellation of contracts, demurrage charges, diversion of trade and undermining of confidence, have been suffered at frequent intervals by users of the Port, who have had no part in the disputes and could do nothing to prevent them or mitigate their effects. Practically all stoppages, moreover, have been "unofficial," often directly contrary to the instructions of the unions concerned and unconnected with wages. Lord Ebbisham adds: "The tale of cancelled orders and diversion of business mounts daily. In these circumstances the new export drive which you yourself inaugurated appears a mockery to exporters who are struggling against odds to maintain even their existing volume of sales."

Narcotics

NEW 1960 ESTIMATES

AMENDED estimates for a number of territories are included in the Second Supplement, Estimated World Requirements of Narcotic Drugs in 1960 (H.M. Stationery Office, 2s. 6d.). The United Kingdom has reduced the estimate for diacetylmorphine from 55 to 52 kilos and added a new estimate:—Levomethorphan, 5 gm. The Republic of Ireland has submitted a number of increased estimates:—Morphine, 18·5 kilos (an increase of 2·5 kilos); codeine, 110 kilos (35 kilos); pholcodine, 9 kilos (4 kilos); cocaine, 6·5 kilos (1 kilo); pethidine, 80 kilos (20 kilos); methadone, 4 kilos (1 kilo).

Science Films

ANNUAL CONGRESS AT PRAGUE

THE fourteenth annual congress of the International Scientific Film Association held recently in Prague, Czechoslovakia (*C. & D.*, September 17, p. 331) was attended by 240 delegates and observers from twenty-five countries, including Great Britain. The congress was opened by Dr. Kahuda (Czech Minister of Education). It offered a choice of educational, popular science and research film meetings, a festival of popular science films (open also to the general public) and a variety of formal and informal functions. Altogether nearly 250 films were screened, covering a wide range of topics. Of the fourteen research films and nine popular science films awarded diplomas of merit, seven were concerned with biological subjects, two with medical subjects, one with psychology and the remainder with the physical sciences. The Czech colour film "The Technique of Paper Chromatography" demonstrated the development of chromatographic analytical techniques and showed the sequence of operations from the preparation of the chromatogram to the final analysis and recording of results. A notable reception was given in the educational film section to the Shell film "The Living Soil," designed to teach farmers something of the ravages of nematodes and the scientific techniques being devised to combat them. Mentioning that one quarter of the world's food stocks were destroyed by pests, the film stressed the need for more co-operation between scientist and farmer in the fight to increase food output.

IRISH NEWS

THE REPUBLIC

A New Organisation?

REPORT OF INVESTIGATING COMMITTEE

A GENERAL meeting of pharmacists is to be held at 8 p.m. at the College of Pharmacy, 18 Shrewsbury Road, Dublin, on November 18, when the report of the committee appointed during Irish Pharmacy Week to investigate the possibilities of the formation of an association incorporating all branches and aspects of pharmacy, to improve relations with other professional organisations, is to be considered (see *C. & D.*, November 7, 1959, p. 406). The committee, which comprised representatives of nine pharmaceutical groups, unanimously accept that the formation of an association on the lincs suggested "is desirable and necessary," but point out that the feasibility of the project depends to a large extent on the support that would be accorded by individual pharmacists. The primary objects of the association, the committee believe, would be the establishment of good relationships between the various pharmaceutical groups and "the maintenance of a line of communication between them." Other objects envisaged are: The appointment of subcommittees to deal with matters such as a code of ethics; public relations; professional services, and the setting up of an advisory bureau. The committee believe that it may also be possible to arrange for courses of instruction in ancillary practices, including business methods, photography and cosmetology. The social foundation committee have indicated that they would place at the disposal of the proposed association the substantial funds already held in trust by them, for the purchase of premises suitable for a recreation club and as a headquarters for the new organisation. Copies of the committee's report have been circulated to all interested groups in pharmacy.

THE NORTH

Poisons Legislation

A TALK TO BE REPEATED

A TALK on "Recent Changes in Poisons Legislation" given by Mr. J. N. Patterson (pharmaceutical inspector, Northern Ireland Ministry of Home Affairs) at the headquarters of the Pharmaceutical Society of Northern Ireland, on October 17, was so well attended that many were unable to gain access to the lecture hall. Mr. Patterson has, therefore, agreed to repeat his talk at the same address at 8 p.m. on Monday, October 24.

SCOTTISH NEWS

Drug Costs Booklet

REPRINTED FOR CHEMISTS

A REVISED edition of the booklet giving the cost to the National Health Service of British National Formulary preparations and certain proprietary preparations is to be issued to Scottish chemist-contractors. It is one of the four documents that have been prepared for the guidance of doctors as part of the comprehensive Handbook on Prescribing. Chemists are also to receive a list of proprietary medicines classified in groups O and H, by the Standing Joint Committee, and a report on the Definition of Drugs issued by the same committee.

NEWS IN BRIEF

MR. W. H. Parry has been elected president of the Purchasing Officers' Association for 1960-61.

MR. R. B. Risk has been elected president, and Mr. J. S. Watkins vice-president, of the Fertiliser Manufacturers' Association.

SHEFFIELD Branch of the Pharmaceutical Society is exhibiting at a local careers convention to be held at Edmund Road drill hall, Sheffield, on October 28 and 29.

THE Scientific Instrument Manufacturers' Association, 20 Queen Anne Street, London, W.1, has issued a twenty-page booklet—"Careers in the Scientific Instrument Industry."

DR. George Edward Godber, C.B., succeeds Sir John Charles, K.C.B., chief medical officer of the Ministry of Health, the Ministry of Education, and the Home Office, when the latter retires on November 30. [Corrected note.]

MR. A. D. Campbell (controller of supplies, Ministry of Health) retires on November 2, and is to be succeeded by Mr. J. F. Hunt (at present an assistant secretary in the Ministry's finance division).

AVERAGE earnings of monthly-paid administrative, technical and clerical employees in manufacturing and certain non-manufacturing industries in October 1959 were £98 5s. 11d. for men, and £42 16s. 3d. for women, according to an inquiry conducted by the Ministry of Labour.

PROFESSOR B. Bleaney, F.R.S., and Dr. James Cook, F.R.S., have been appointed members of the Council for Scientific and Industrial Research. Together with a third member yet to be appointed, they succeeded Professor P. M. S. Blackett, F.R.S., Sir Eric Ashby and Mr. H. Douglass, who have retired on completion of their period of service.

SPORT

Golf.—SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY, at Purley Downs golf club on October 12. *A. Box Prize*, 1, F. Jamieson, Shirley Park, 38; 2, B. Stephenson, Shooters Hill, 37; 3, H. Reynolds, Ifield, 36; *D. Spier Prize*, M. Lewis, Shirley Park, 38; *G. Stanton Prize*, G. Roberts, Wyke Green, 32; *18 and Over Handicap*, A. Cottam, Shirley Park, 31; *Anonymous Prize*, J. Cuthbert, Shortlands, 24.

TOPICAL REFLECTIONS

By Xrayser

Export terms

Last week, with the best of intentions, you destroyed a world of illusion. For many years I have escaped, through the medium of your market reports, into a global phantasmagoria, compounded of Black Sarawak, Madras finger, Black Malabar, Matto Grosso and West Indian 80's. And wherever one turned, one was comforted by the knowledge that the c.i.f. was at hand—an inscrutable body of men in plain clothes, with soft hats turned down at the brim—grim-looking, silent and incorruptible. Their efficiency was beyond doubt, for every now and then something was put "on the spot." To ensure incorruptibility of the c.i.f., there was a hierarchy, dressed in white shorts, pith helmet on head, revolver in holster, known as the F.O.B. One knew instinctively that it was a federation of some kind, and that it had some connection with c.i.f. One also knew that both were international in their activities, for they appeared in Zanzibar, in Brazil, in Dar-es-Salaam and in Cochin China. The headquarters of the whole organisation was in the neighbourhood of Mincing Lane, and the president—probably a "Mitcham type"—without doubt, was firm and hand-picked. His executive committee were, in such a place, unlikely to be Chinese small rounds or Aleppy greens. Much more likely that they should be sound, unassorted, best English-distilled. No room at such a table for cold-pressed, terpeneless or decorticated sorts. And now, thanks to p. 475, the whole edifice has crumbled, for c.i.f. means only cost, insurance, freight. F.O.B., it is disclosed, means "Free On Board." Prosaic world! And the "debs" who seemed, in my innocence, to be connected with Mr. Macmillan's "Exporting Is Fun," adding brightness and gaiety to the life of the City, turn out to be debentures. Things are not what they seem.

Tranquillity

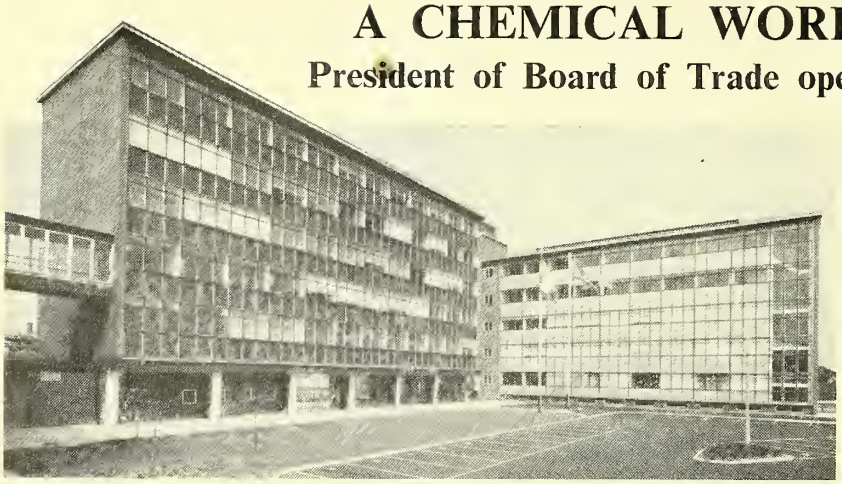
A popular sound broadcast programme, as perennial as its chairman Mr. Grisewood, found itself involved in a question concerning the widespread taking of tranquillising drugs the other night. The answers ranged over a wide field, comparing the heavy drinking of our forefathers with the tranquillisers and stimulants taken in drug form today, one of the panel finding little difference in the "treatments." All were emphatic that it should not be possible for the public to "go to the chemist's" and buy such medicines without restraint. There was no mention of a recent Act of Parliament which swept into its net a large number of drugs hitherto uncontrolled in a legal sense, though not without an element of control on the part of pharmacy itself. One was left, rightly or wrongly, with the impression that the panel had not heard of the efforts of the Pharmaceutical Society in connection with the C.N.S. drugs, or of the subsequent legislation. It is not the first time that pharmacists have been left to act as public relations officers in "selling" parliamentary decisions to the general public. The brunt of the shilling per form and shilling per item fell upon the bowed shoulders of the public servant who endorses the forms, sorts them, issues shilling reclaim forms, acting in general as a good citizen should—not counting the cost. It is true that, as Mr. Kay said at the Durham area conference (p. 433) there are 27,000 publicity officers in pharmacy—the individual members of the Society. Incidentally, I must take the opportunity of apologising to the speaker at that conference who asked that a *minimum* dispensing fee be included in the Statement on Matters of Professional Conduct. Somewhere between my original pencilled notes and the finished product, minimum became maximum, making nonsense of the constructive proposal.

B.P. Addendum

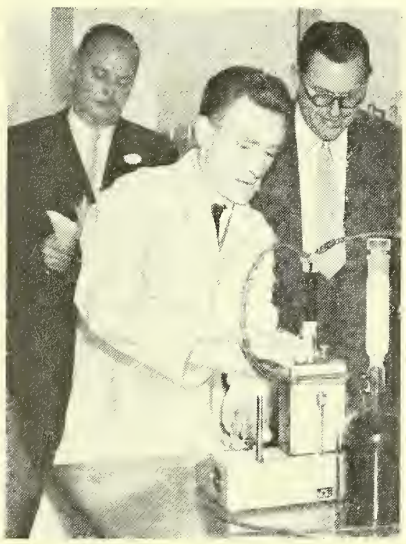
In the welter of official publications—the British Pharmacopœia, the British Pharmaceutical Codex, the Extra Pharmacopœia and the British National Formulary, the publication of an Addendum to the B.P. is not, in these changed days in retail pharmacy, quite the world-shattering event it once was. Your concise summary of the changes is, nevertheless, a most valuable contribution and guide to your readers.

A CHEMICAL WORKS EXTENDED

President of Board of Trade opens Manchester premises



NEW laboratory and administration buildings of Ashburton Chemical Works, Ltd. (one of the manufacturing companies of Geigy (Holdings), Ltd.), completed earlier in the year were ceremonially opened by the President of the Board of Trade (Mr. Reginald Maudling) on October 14. Built on the company's twenty-acre site at Trafford Park, Manchester, the new buildings occupy two and a half acres and completes a complex of three blocks (the first—the welfare block—was completed in 1958) costing about £800,000 for the three. The five-story building houses a large general chemical store, a main sample store, a workroom, two dark rooms, etc., in its basement.



Mr. Maudling being shown an experiment in one of the laboratories. On left is Dr. F. Buehmeier (managing director, Ashburton Chemical Works, Ltd.).

On the ground, first, second and third floors are three laboratories each 42 x 25 ft., ancillary offices for chemists and typists, stock and sample rooms and balance rooms; with a goods receiving bay on the ground floor; instrument and constant temperature room on the first; typists' pool and telephone operators' room on the second; and a large conference room on the third floor.

A large ventilation plant room, a noxious processes laboratory, autoclave room, balance room, semi-micro laboratory and ancillary offices for chemists, are on the fourth floor.

The furniture of all the laboratories are standardised so that the units are interchangeable.

Each of the main laboratories contains three island benches, the greatest possible length of wall and window benching, and two fume cupboards each about 16 ft. long.

The island benches have teak tops with reagent racks on stainless steel supports and plastics-covered peg racks. The window benches have specially glazed acid-resisting tiles.

The administration building has a basement and a partially open ground floor containing a *porte cochère*, at the west end of which is a large mural decoration in tiles referring symbolically to the Geigy tradition, and to Geigy products and their effect upon life. It also symbolises the growth and development of the industries with which Geigy is concerned.

There are five floors above the ground floor; on the fifth is a large well-lighted drawing office about 63 x 47 ft.

Ashburton Chemical Works, Ltd., besides manufacturing barbiturates and other pharmaceuticals for Geigy Pharmaceutical Co., Ltd., make many intermediate chemicals, DDT and textile and plastic chemicals.

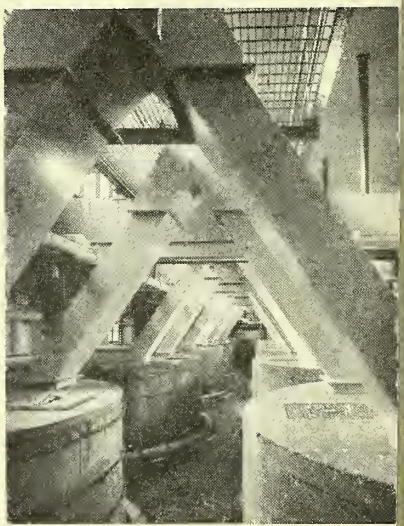
NEW £1-MILLION GLUCOSE PLANT

Output to be doubled with existing staff

A NEW £1-million factory development at the Battersea riverside works of Garton Sons & Co., Ltd., which was officially opened on October 10, should double the company's output of glucose, starches and by-products. Claimed to be the largest and oldest British manufacturers in the field, Messrs. Garton are already producing each year well over 100 million lb. of glucose, edible starch and other by-products of maize. The production increase planned is to be reached with the existing labour force, for the new factory is one of the most modern automated plants for refining glucose and other products.

Maize shipped from all over the world is brought in barges to the company's own wharf. From storage silos, into which the grain is pneumatically drawn, the maize is conveyed to huge timber and concrete vats where it is initially steeped and sulphur dioxide is added to speed the process of disintegration. By the end of the process the grain is converted into liquid or solid glucose, starch, cornflour and maize oil and cattle feed.

The new factory extension is in three main sections. At one end is the steephouse, containing the large vats. The centre section (known as the wet-side) is where grinding, screening, separating and drying takes place. The third section comprises laboratories, switchrooms, stairwell, lift and cloakrooms. Special design considerations were raised by the enormous weight of the vats in the steephouse—ten of concrete and ten of timber and iron. Each vat, 12 ft. in diameter and 27 ft. high, contains 90 tons of maize and water. The engineers had to take eccentric loading into account, since not all the vats would be full or empty at one time.



The tops of huge 90-ton concrete and timber vats into which maize is pumped for steeping.

To prevent metal contamination during the refining process, plastic piping has been used throughout for transporting the mill flow. The plastic piping has been used also for an extensive drainage system to convey waste water to an underground sump for screening and re-circulation. Due to the presence of small amounts of SO_2 in the atmosphere the whole of the exposed concrete is painted with a chlorinated rubber finish and all electrical conduiting is pvc-coated. The use of completely enclosed plant and modern ventilation eliminates the humidity

usually associated with starch mills. The entire new Dorrclone stainless steel washing and screening plant takes up 283 sq. ft. of floor space, compared with the 4,000 sq. ft. on three floors the old installation required. The new plant does the job quicker and more hygienically, while giving much more positive control.

Mr. Joseph Godber, M.P. (Parliamentary Secretary to Ministry of Agriculture), who opened the new factory, paid tribute to the company for playing a leading part in the research work that went on in the early days of the 1939–45 war into the development of antibiotics. They were the first suppliers in Britain of corn steep liquor as a medium for growing penicillin. The company had a fine export record with expanding sales over recent years, of which they could be justly proud.

He had been told that the overseas market for liquid and solid glucose was one of the most highly competitive and new outlets may well be hard to come by. The value of exports of glucose reached their peak in 1959, although the quantity exported was actually one-eighth less than ten years ago. On that count alone there would seem to be some scope for increasing exports.

PUTTING DRUG COSTS INTO PERSPECTIVE

Lord Boothby opens headquarters of Winthrop Group, Ltd.

THE costs of the National Health Service, and particularly the amount expended on pharmaceutical services, were put into perspective by Lord Boothby when he opened the new ten-story headquarters of Winthrop Group, Ltd., at Surbiton, Surrey, on October 18.

He pointed out that the proportion of income per head of population spent on medicines in the majority of countries which had no health service was higher than in Britain. That was true, he said, not only of the total expenditure on pharmaceutical benefits but, in addition, the expenditure by the State or private insurance in those countries also showed a higher percentage of *per capita* income than in Britain.

"Still the Same Proportion . . ."

Discussing the question of drug costs, Lord Boothby said that in spite of the numerous benefits from new, more complex, and therefore costly drugs, expenditure on medicines had always represented about the same proportion of total National Health expenditure. At the present time, about 3·7 per cent. of the national income was spent on the N.H.S., the same proportion in fact, as before the first world war. "This is a most remarkable fact when one considers the social and economic revolution which has occurred in the country during the last century," he added.

At the end of the ceremony Lord Boothby pressed a remote control button which set into motion machinery at the company's Newcastle-on-Tyne factory for the manufacture of Virugon—a new preparation of the Bayer Products division which is claimed to be of value in the prophylaxis and treatment of influenza (see p. 500).

In welcoming Lord Boothby, the chairman of Winthrop Group, Ltd. (Mr. L. M. Spalton), disclosed that nearly 50 per cent. of the company's output went to overseas, and that the company's pharmaceutical business was the fourth largest in Britain. Nevertheless the company was far from satisfied with their export achievements bearing in mind the great Swiss pharmaceutical companies whose business outside Switzerland represented 97 per cent. of their sales.

Eighteen months ago the company came to the conclusion that the future economic growth of the countries that now comprise the Common Market and the European Free Trade Association was likely to be well worthwhile markets. At that time their exports to those countries were negligible. To appoint licensees or local sales agents would have been too slow a course so they took upon themselves the task of building up their own organisation simultaneously in nine Western European countries. British controlled companies had been set up, offices found, warehouses established, and all the complex local legal formalities that preceded the manufacturing and selling of pharmaceutical products had been overcome — all in eighteen months.



The new headquarters of Winthrop Group, Ltd.

Many of the products that the company introduced to the British and other Pharmacopœias originally stemmed from German research but today 90 per cent. of the products they sold came from their own research or that of their associates. "You can imagine that it gives us great satisfaction to take the results of our research to Germany and to have Winthrop of Frankfurt very actively competing with the large German pharmaceutical houses."

The building which was being opened that day was to house, to begin with, 400 of the nearly 2,000 Winthrop people who worked in and from Britain.

Along with others in the pharmaceutical industry they competed continuously against each other and against obsolescence. "So dynamic is this industrial quest for knowledge that few drugs can anticipate widespread use for more than five or ten years," he said. The pharmaceutical industry had to finance its own "Blue Streaks." On the other hand the subsidy paid by the Ministry of Aviation to private enterprise for research and development in the aircraft industry was "three times greater than the sales, not the profits, of all drugs supplied by all manufacturers to treat sickness in the National Health Service in this country."

An exhibition at Winthrop House, which was also opened by Lord Boothby, has been staged around the theme "Medicine Men of Today." It portrays, for the lay public, the tremendous amount of work which goes into the discovery, manufacture, and marketing of today's drugs. In its final section there is a novel idea which uses large containers to show the breakdown of expenditure on the N.H.S. In addition to its national interest, the exhibition is intended to provide an opportunity for people residing in the Surbiton district to become acquainted with the scope and contributions of an industry which is new to their locality.

EXPANSION PLANS

BECAUSE of a substantial increase in sales of their vacuum ware, Thermos, Ltd., Leyton, London, E.10, are extending their factory at Brentwood, Essex, by approximately 100,000 sq. ft. of floor space. The cost of the extension, which is to be completed by late Summer 1961, will be approximately £400,000.

JOHN & E. STURGE, LTD., announce that negotiations have been successfully concluded for the sale of their citric acid manufacturing process for exploitation in the Common Market. A new company Biacor S.p.A. (Biochimica per la Produzione di Acidi Organici) has been formed in Italy for that purpose in which Messrs. Sturge will have an important shareholding. A site has been purchased in Northern Italy providing ample space for future expansion, and planning is well advanced for the construction of the first stage of the development, with a capacity of 3,000 tons citric acid a year with production commencing by the end of 1961. Total capital required is approximately £750,000.

OVERSEAS VISITS

Mr. C. W. MAPLETHORPE (managing director, Allen & Hanburys, Ltd., and a director of Glaxo Laboratories, Ltd.), has left for a two-week business trip to the Central African Federation and the Union of South Africa.

DRUG INDUSTRY'S MARKETING METHODS

An argument on B.B.C. television

IN the B.B.C. television programme "Tonight" on October 18, there was a heated exchange of views on the British pharmaceutical industry's methods of marketing between Mr. B. Abel Smith (London School of Economics) and Mr. L. M. Spalton, B.Pharm., M.P.S. (chairman, Winthrop Group, Ltd.).

A Sackful of Samples

Introducing the subject, MR. CLIFF MICHELMORE produced a sackful of "hundreds of free samples of modern drugs, some of them proprietary drugs," which belonged to a doctor friend of his. He went on: "Some of these samples are dangerous, but each week, salesmen of various drug companies pour them into his surgery in the hope of pushing their sales. He complains bitterly about them, as indeed do many other doctors. Now the drug manufacturers, perhaps aware of criticism in the air, have today opened an exhibition in London called 'Medicine Men of Today,' and in the opening speeches the opportunity was taken to deliver a long list of striking replies to criticisms made of British drug-making industry (see p. 497). Facts such as these were quoted—that the price of drugs in Britain is lower than in practically any other country; that the cost of drugs under the National Health is small compared with our expenditure in other things, such as the cinema, meat and footwear; most other countries which don't have a comprehensive health service, spend more on proprietary drugs; British export earnings from drugs total £40 millions a year. Mr. Lawrence Spalton was one of the opening speakers at this exhibition today; also with us is Brian Abel Smith of the London School of Economics and also author of a recent, very much praised book on the National Health Service. I quoted a few of the arguments that drug manufacturers are advancing at this exhibition, now you, Mr. Abel Smith, have seen a complete list of their arguments. Are they disputable?"

MR. ABEL SMITH: Oh, yes, I think some of them are, I think a number of facts have been selected to whitewash the drug industry and to give us the impression that it is serving the nation well. I think we are paying, on the whole, too much for drugs. One of those facts I certainly could dispute. I think there are other nations which are paying quite a lot less for their drugs, perhaps the majority of them.

MR. SPALTON: Would you like to name, specifically, the nations?

MR. ABEL SMITH: India. . . .

MR. SPALTON: Well, India is not a developed economy. . . .

MR. ABEL SMITH: Well, you said 'most' in your quote.

MR. SPALTON: Well, yes. We selected thirteen countries which were summarised in a United Nations report, which I'm sure you're aware of.

MR. MICHELMORE: Let us turn, if we may, to the point again. Let's take first the arguments for and against the large-scale distribution of drugs such as this lot, and the glossy pamphlets, which the doctors complain about.

MR. SPALTON: The point being too much advertising. . . . First of all, a lot of it isn't advertising. It's dissemination of genuine information. After all, if a manufacturer produces a drug, he does the research in producing it and he has continually to provide information to the doctor about it. The second thing, which I think is very important, is to realise that every doctor in this country is prescribing for the needs of 2,000 people, and quite naturally, a lot of material goes through his letter box. He is not being advertised to in the Press or on television, as a consumer would be. And the third point on the whole question of advertising is that the expenditure as compared to consumer advertising, is very low indeed, and it would be interesting to compare the amount of money spent on advertising the drug industry with, say, the amounts on railways. About that sackful of samples: if the doctor would use them as they were intended to be used, and hand them out to patients who need them, he would save a lot of the cost of prescribing them on the National Health Service.

"Self-interested Advertising"

MR. ABEL SMITH: I don't like this sort of self-interested advertising. I think it's quite wrong that you should have drugs sold rather like carpet sweepers from door to door with representatives calling, pressing the merits of their own preparation. It's important that the doctor has the correct information to judge the quality of the drugs and he should be getting this from the medical Press, and also out of "Prescribers' Notes"—a disinterested sort of information. . . .

MR. SPALTON: "Prescribers' Notes," which is a good publication, is far from being disinterested information. It is written by the Government to save on the cost of expenditure on drugs. As I have already pointed out the expenditure on drugs in this country is considerably lower than in the majority of civilised countries in the world, in all the Western European countries.

MR. ABEL SMITH: I think all this is quite wrong. "Prescribers' Notes" is intended to give independent advice to doctors and certainly the medical Press is intended to do that. The real danger is preparations being sold to doctors before all their side-effects have been tested. They might do harm to patients.

MR. MICHELMORE: It is said that a large proportion of drug manufacturers in this country are either American companies or American subsidiaries. Is it a good thing for our health, is it a good thing for our economy?

MR. SPALTON: A large proportion of the manufacturers of drugs in this country are not only American, but also Swiss and French. And I think it is a very good thing for our economy from this point of view: these companies come to Britain to build factories, they export from Britain, they do research in Britain. The fact that they are foreign-owned, I think, is irrelevant. Take my own organisation for example: the amount that has been paid out in dividends over the past five years is less than one-seventh of the direct exports we shipped out of Britain—much of those exports have been to the United States and Canada, which are dollar areas. More than that, the amount that we have put into the British economy, by paying British taxes, by paying British wages, by buying services and goods. . . . [There was then an interruption after which Mr. Spalton went on] If we didn't have these companies here in Britain and exporting from Britain, . . . you would eventually be dependent on foreign research, and that would be a bad thing. And the tragedy of the pharmaceutical industry in this country for the British companies is that they are not able to spend enough on research to compete with those foreign companies. The Americans spend £68 millions per year compared to £5 millions in Britain and £7 millions in little Switzerland. . . .

Profits and Research

MR. ABEL SMITH: How do you account for the fact that the Hinchliffe report tells us that some companies in Britain, which are making high profits, are not doing any research worth the name? If they were so keen on doing research they would be doing it.

MR. SPALTON: As far as profits are concerned, I can only speak for my own company. The Ministry of Health, in connection with the Select Committee on Estimates, analysed profits, and it was shown that my company's, the last time they were looked at, were lower than the food industry, the great engineering industry. . . .

MR. ABEL SMITH: That was after including advertising as costs.

MR. SPALTON: Our advertising is much, much less than our research.

MR. ABEL SMITH: You are charging all sorts of things I don't think should be counted as costs at all in making this calculation of what the true profits of these are. . . .

MR. MICHELMORE: . . . Are you disturbed at the number of foreign companies there are dealing with drugs?

MR. ABEL SMITH: I am disturbed at the number of companies dealing with drugs. And I am also disturbed at the ring price in Britain. Only occasionally do hospitals manage to break this ring, perhaps if Italy or Switzerland help them out. Then suddenly, we find that the hospital service has been quoted prices substantially lower than the ring price in Britain.

MR. SPALTON: I don't believe there are any ring prices in Britain.

MR. ABEL SMITH: I can prove this to you. Take Achromycin then. . . .

MR. SPALTON: Prove it to the Monopolies Commission. . . .

MR. MICHELMORE: Well, we'll let you prove it to the Monopolies Commission, and we'll let you argue that one out.

COMPANY NEWS

Previous year's figures in parentheses

WEST AFRICAN DRUG CO., LTD. — An offer from John Holt & Co. (Liverpool), Ltd., has resulted in acceptances exceeding 90 per cent. and the offer is now declared unconditional.

WINTHROP LABORATORIES. — Messrs. Lucas Atkinson and Arthur King have been appointed to the divisional board of Winthrop Laboratories, division of Winthrop Group, Ltd., at Newcastle-on-Tyne.

BEECHAM GROUP, LTD.—A first interim dividend of 8 per cent. is declared on the Ordinary shares on account of the year ending March 31, 1961 (unchanged).

ARNOLD M. GEE, LTD.—Current year's turnover compares very favourably with that of the year to March 31, the directors report. Present issued capital is £86,150, but the directors are considering a rights issue to be made, probably towards the end of 1961, on terms yet to be finalised. Group trading profit for 1959–60 was £39,327 (£34,729), and the dividend is 20 per cent. (same).

MONSANTO CHEMICAL CO., St. Louis, U.S.A., and AMERICAN VISCOSE CORP., Philadelphia.—Negotiations are in progress for the acquisition by Monsanto of Viscose's entire interest in the Chemstrand Corporation. After the proposed transaction is approved and effected, Chemstrand will continue its activities as a separate entity. There is a British subsidiary, Chemstrand, Ltd.

SANGERS, LTD. — For the year ended February 29, the dividend is reduced from the equivalent of 15 per cent. to 11¼ per cent., with a final of 1¼ per cent. There was a one-for-one scrip issue in January 1959. Group trading profits contracted from £485,901 to £396,563, and the net profit from £187,269 to £131,862, after tax of £113,176 (£166,529). The carry-forward is £352,366 (£362,590). Current assets totalled £4,863,685 (£4,966,888) and liabilities £3,348,614 (£3,297,305) at year end.

BOOTS PURE DRUG CO., LTD.—A one-for-one scrip issue and an 8 per cent. interim dividend on the present capital is announced. The dividend takes the place of the two 3 per cent. interims paid in previous years. The increase in amount is designed to reduce the disparity between interim and final distributions. The scrip issue resolutions will be put to an extraordinary meeting on November 22 and the rights accrue to holders of that date. Capital reserve of £7,780.720 at latest balance-sheet date is being increased by some £5,771,000 following the capitalisation of capital reserves in five retail subsidiaries.

BUSINESS CHANGES

BOOTS, LTD., have opened a branch at 12 Station Lane, Hornchurch, Essex.

GATE ELECTRONICS, LTD., have transferred their sales offices to 71 Great Russell Street, London, W.C.2 (telephone: CHAncery 4722).

F. S. ROSE & SONS, LTD., are transferring their business to 4 Essex House, George Street, Croydon (from 110 George Street), on October 24.

VOKES, LTD., have changed their name to Vokes Group, Ltd., and a new subsidiary company (Vokes, Ltd.), has been incorporated to take over the business and trading of Vokes, Ltd., as previously.

THE business of Mr. Arthur Praeger, F.P.S., formerly trading as D. Lyndon Jones is to be known in future as Little Common Pharmacy. The extended premises comprising 14 and 16 Cooden Sea Road, Bexhill, Sussex, are to be opened on October 31.

MR. STANLEY MORGAN, M.P.S., has sold his business at 33 Broad Street, Welshpool, Montgomerys, to L. Rowland & Co., Ltd., Wrexham, who take over on November 1. Mr. Morgan will live at Westridge, Ashfield Park Road, Ross-on-Wye.

UPJOHN OF ENGLAND, LTD., Fleming Way, Crawley, Sussex, announce that their sales organisation has been separated into two divisions, the southern division being under the management of divisional sales manager, Mr. F. P. Eatch, M.P.S., and the northern division under divisional sales manager, Mr. J. A. Smith, M.P.S. Mr. A. Downie, F.P.S., has been appointed general sales manager, with responsibility for export sales in addition to home sales.

DEATHS

FARTHING.—Recently, Mr. Stanley George William Farthing, M.P.S., 863 Old Kent Road, London, S.E.15. Mr. Farthing qualified in 1910.

MORGAN.—On September 19, Mr. David Thomas Morgan, M.P.S., Glanytaeth, Barmouth, Merioneth, aged sixty-five.

WILFORD. — On October 7, Mr. John Mawson Wilford, M.P.S., 270 Knutsford Road, Warrington, Lancs. Mr. Wilford qualified in 1926.

WILLIAMS.—On October 12, Mr. Ernest Harold Williams, F.P.S., 41 Wigan Road, Ashton-in-Makerfield, Lancs. Mr. Williams qualified in 1924.

PERSONALITIES

ALDERMAN F. H. SWIRE, M.P.S., 9 Savile Park, Halifax, who is an ex-mayor of Halifax, has been appointed by the Lord Chancellor to be a member of the Mental Health Tribunal for the Leeds region. Alderman Swire is chairman of the town's health committee and of Halifax Executive Council.

MR. G. C. O'NEILL, who has been elected vice-president of the Pharmaceutical Society of Ireland, qualified in 1930. He was educated at the Presentation Brothers' school, Dungannon, and later at St. Patrick's College, Armagh. Mr. O'Neill served his apprenticeship under the late Mr. Tim Costello, 149 Lower Drumcondra Road, Dublin, and a year after qualifying, in 1931, he opened his own retail pharmacy at 34 Main Street, Blackrock, Dublin. He has been a member of the Council since 1944, but his interest in pharmaceutical affairs goes back much further. He was one of the founders of the Society's Benevolent Fund and was the first president of the Fund's dance committee twenty-two years ago. A former president of the Irish Drug Association, of which he is still an active member, he has represented both the Council and that Association at many functions both in Britain and Northern Ireland.

MR. FRANK LOUGHMAN, T.D., Clonmel, co. Tipperary, the new President of the Pharmaceutical Society of Ireland, is one of the most widely - known and highly respected pharmacists in Ireland. He qualified as an assistant in 1915, and two years later he was admitted as a member of the Society. He worked subsequently in each of the four provinces, until in 1920, he set up in Clonmel as a retail pharmacist. Although he has devoted most of his time to pharmacy over the past forty-five years, Mr. Loughman still finds time to take an active interest in public life and has been a member of Clonmel corporation for many years. A leading member of the Fianna Fail Party he has been a member, in turn of the Senate and the Dail, serving uninterruptedly in either one or the other since 1938. At present he is the Government Party Whip in the Dail. A quiet, but effective worker, Mr. Loughman's election to the highest office in the Society, at this particular period when the Council are seeking to have a new pharmacy Bill and a degree course in pharmacy introduced, is regarded as most opportune. Mr. Loughman represented Ireland on the Council of Europe for three years and his contributions to that body's debates were always regarded as sound and constructive. Since he became a member of the Council of the Society in 1945, he has not spared himself in his efforts to improve the lot of pharmacists in general, and the honour now conferred on him has been regarded by his colleagues on the Council as a well-earned reward.



Correspondence

Corresponding by Tape

SIR,—In response to the letter from Mr. B. Bolam, Yorkshire, regarding tapesponding (see *C. & D.*, October 8, p. 438), I would most certainly be interested. I use a Grundig TK 20 tape recorder, tape speed 3¾ i.p.s. My interests outside of pharmacy are recording (especially bird songs), botany, general science, light music and bowls. Furthermore, should this come to the ears of any non-sighted pharmacist, I would be only too pleased to correspond with him either on tape or in Braille.

DOUGLAS F. S. MILES,
303 Selsdon Road, South Croydon.

NEW PRODUCTS AND PACKS

For Dispensing and for Counter Sales.—Merrell-National (Laboratories), Ltd., 20 Savile Row, London, W.1, have made available a 6 fl. oz. bottle of Kolantyl gel.

Matching Toiletries.—Yardley & Co., Ltd., 33 Old Bond Street, London, W.1, are marketing a new series, Flair, comprising Cologne spray mist, bath oil, dusting powder and toilet soap as well as the perfume itself.

A "Trial" Size.—A trial size of Mucron—a pack containing twelve tablets—is now available from International Laboratories, Ltd., 205 Hook Road, Chessington, Surrey, or from any wholesaler. The larger size shows a great economy to the purchaser, and the manufacturers do not expect that its sales will be affected by the introduction of the trial pack.

An Antiviral Drug.—Virugon, a compound of Swedish origin claimed to be the first synthetic antiviral drug, is announced by Bayer Products division, Winthrop Group, Ltd., Winthrop House, Surbiton, Surrey. Chemically Virugon is N′N′ anhydro bis-(β-hydroxyethyl) biguanide hydrochloride. It has been found effective against influenza, mumps, measles, chicken pox and shingles, and is stated to be non-toxic and free from side reactions. The product is to be marketed on November 1 in container of forty-eight tablets, each tablet containing 100 mgm. of the compound together with 0·1 mgm. each of atropine and hyoscine methonitrates.

Contrast Medium.—Under the trade name Solu-Biloptin, Schering, A.G., Berlin, Germany, have added to their range of radiological agents a new contrast medium described as the first liquid contrast agent available for oral cholecystography and cholangiography. Solu-Biloptin is understood to be rapidly and completely absorbed, reducing to a minimum (or to nil) distracting residues in the intestine. The packs are containers of one, five and twenty 3-gm. bottles. In Britain, Solu-Biloptin is obtainable through Pharmethicals (London), Ltd., 20 Gerrard Street, London, W.1.

Additional Penicillin-V Preparations.—Eli Lilly & Co., Ltd., Basingstoke, Hants, announce the introduction of two additions to their penicillin-V Pædiatric preparations. Syrup penicillin-V potassium pædiatric 62·5 is issued in bottle containing dry granules to make 60 mils. When dispensed, each mil contains 62·5 mgm. of penicillin V as potassium salt in a pleasantly flavoured syrup. The product may be dispensed against unspecified National Health Service prescriptions calling for liquid, solution, or syrup penicillin-V or penicillin-V potassium. Complete solution of the granules is effected within a few minutes of adding the required amount of water. Suspension V-Cil-K Sulpha pædiatric is issued in bottle containing dry granules to make 60 mils of suspension. When prepared as directed, each 5 mils of suspension contains 62·5 mgm. of V-Cil-K brand penicillin-V potassium (penicillin-V acid equivalent) with 250 mgm. of sulphadimidine.

Three Squashes in One. — J. & J. Colman, Ltd., Norwich, are marketing with strong advertising support a new "three fruit squash" combining pineapple, orange and lemon, entitled Trio. It is presented in a standard size squash bottle with eye-catching label. Plans for the launch are timed to coincide with the Christmas party season and include a "6d. off" introductory offer, printed on the label, and heavy Press and television advertising in the five weeks before Christmas.



Colour Shampoo.—First introduced to hairdressers for use in their salons, Monil colour shampoo is now generally available. The makers, Monil, Ltd., Hunmanby, Filey, Yorks, claim that it had an "instant and resounding success" amongst professional users, and that its effects, particularly with pure black and browns, are "lovely, natural and long-lasting." Distribution is through trade wholesalers. The display outer holds 1 doz.

"Superb" Skin Cream.—Evan Williams Beauty Aids, Ltd., 52 Fore Street, London, N.18, are marketing a general purpose skin cream produced by "the unique manufacturing process" which ensures that a really stable emulsion with unrivalled smoothness, whiteness and absorption properties is produced. The product is being launched in standard and large size tins. It is claimed ideal as a hand cream, foundation cream, cleansing cream, sunburn cream, man's cream, children's cream and babies' cream.

Vacuum Jug.—Acme Vacuum Flask Co., Ltd., Bridgend, Glam., have produced in the "Chiltern" vacuum jug a container with the advantages of a vacuum flask and the distinctive appearance of English porcelain. As will be seen from the illustration, the jug is of contemporary design and the choice of colours available comprises black/white, maroon/gold, pastel blue and lime green.



New Lipstick Colours. — GUERLAIN, LTD., 14 Grafton Street, London, W.1, have introduced two new "fashion-right" shades of lipstick for the autumn season. They are *Rose Baccarat*, "a clear velvety red," and *Tzigane*, "a vivid peach to compliment the greens and russets of Autumn."— INNOXA (ENGLAND), LTD., 1 Eden Street, London, N.W.1, have launched in their Jewelfast range a new lipstick shade, Wild Poppy, described as a "warm and vibrant colour for autumn and winter." — CHANEL, LTD., 2 Old Bond Street, London, W.1, have also produced six new lipsticks "matching flattering colours to all the hues of Autumn." The colours are *Radieux* ("Paris pink at its most roseate: a fabulous deep shade from the heart of a cyclamen bud"); *Midi* ("A pink that still remembers the heat of summer"); *Rue Cambon* ("A deep, grown-up red that demands top fashion honours"); *Vison* ("A deep, deep red with a sultry note of brown"); *Etincellant* ("A gay exciting orange that has some of its flamboyance softened by pink"); and *Garonce* ("A strong note of arrogant scarlet with a suggestion of blue"). All are in the Chanel black lipstick case with wedding-ring band of gilt.

Transparent Beauty Soap. — Cullingford of Chelsea (Castle Soaps of Cambridge, Ltd.), Webber Road, Kirkby, Liverpool, have launched new Omy



transparent beauty soap in clear amber. The soap is individually wrapped in transparent tissue and issued in a black/white/gold box containing six tablets.

TRADE NOTES

Distributors Appointed.—Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, have been appointed by Savory & Moore, Ltd., the sole distributors of their Quinasp cold capsules from November 1.

Christmas Wrappings Discount. — By ordering half-reams of four colourful Christmas-gift wrapping papers offered by Macdonald & Son, Ltd., Portland Mill, Ashton-under-Lyne, Lancs, chemists qualify for a discount of 10 per cent.

Concentrated Cleaner. — Diversey (U.K.), Ltd., are marketing their concentrated liquid cleaner TIG for general use throughout the food handling and processing industries. TIG is claimed to penetrate greasy films instantly; to be neutral to hands and equipment; and to be free from "slip."

Illustrated Booklet.—A well-illustrated booklet issued by Lepetit, S.p.A., Milan, in which there is a brief summary of the growth of the organisation, is available from the United Kingdom's representatives: Lake & Cruickshank, Ltd., North Bridge Road, Berkhamsted, Herts.

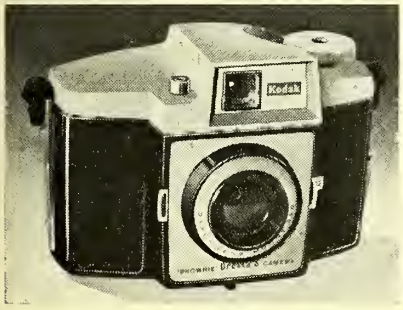
PHOTOGRAPHIC NOTES

New-size Transparency Holder. — An addition to the Titania range of plastic slide-holders is announced by the Pullin Optical Co., Ltd., 93 New Cavendish Street, London, W.1. The holder is 18 x 24 mm. in size and is available in box of twenty.

Additions to Screen Range.—R. F. Hunter, Ltd., 51 Gray's Inn Road, London, W.C.1, have added to their range of projection screens new sizes of their Traveller tripod and Traveller wall-type projection screens. Some established models have been reduced in price.

Colour-print Christmas Cards.—Kodak, Ltd., Kingsway, London, W.C.2, are supplying attractive printed folder mounts and matching envelopes without extra charge against orders for six or more Kodacolor or Kodak colour prints from the same negative or transparency. Mounts are available to take horizontal, vertical or square prints.

Camera and Plastic Case.—Described as a simple, versatile new-style camera, the Brownie Cresta 3 by Kodak, Ltd., Kingsway, London, W.C.2, takes twelve pictures, 2¼ x 2¼ in. It has an extra-large view-finder with bright line cor-



ner marks; flash contacts; and alternative lens apertures (f/11 and f/16). A plastic case is also available.

A Candle and a Magnifier.—Chistro, Ltd., 12 Fulwood Place, London, W.C.1, are marketing a battery-operated candle that lights when lifted and is finished to look like a wax candle. It has a copper-coloured holder and is sold complete with battery and bulb. The company's Randor illuminated magnifier is sold with an inch-scaled mask for map reading, and with a carrying pochette. Distribution is through wholesalers.

A New Projector at Photokina. — Gnome Photographic Products, Ltd., Caerphilly Road, Cardiff, were displaying their new fully automatic 35-mm. projector—the Litemaster—at the 1960 Photokina in Cologne (September 24 to October 2). The Litemaster incorporates automatic focusing, automatic slide changer, remote control, etc., at a price that the makers describe as "very reasonable." Additional Gnome exhibits included enlargers and camera accessories.

New Cine Light.—The Multilite 4-bar cine light, incorporating four lamp holders set against a rigid unit, is now available through John Bealey & Co., Ltd., 64 Newman Street, London, W.1. Manufactured by the Mayfair Manufacturing Co., New York, U.S.A., the light is intended for use with 275-watt (Philips SM type) or 500-watt (NM) lamps. The lamp holders are of all-metal construction and the unit is wired with three-core flex—an essential feature when dealing with high wattage. The unit is suitable for use on a.c. current only.

1,200-watt Projector Lamp. — The cine and photographic division of Rank Precision Industries, Ltd., 37 Mortimer Street, London, W.1, announce the availability of a 1,200-watt lamp for use in their Bell & Howell Filmsound range of 16-mm. projectors. The light output shows an increase of more than 60 per cent. over that of a standard 750-watt lamp, and is over 20 per cent. greater than that of a 1,000-watt lamp. It is claimed that the new lamp will give better-quality pictures from dense sound prints, and it is particularly suitable for use in large auditoriums and on large screens.

LONDON NURSING EXHIBITION

Attractive display of chemists' stock lines

PHARMACEUTICAL manufacturers were well represented at the forty-fifth annual London Nursing Exhibition, held in conjunction with the professional nurses' and midwives' conference at Seymour Hall, October 10–14. Prominence was given to products that could be recommended by the nursing profession for purchase through the retail chemist. Such items included surgical and drug counter lines, invalid beverages, baby foods and cosmetic creams. Other exhibits included medical and nursing text-books, hospital appliances and a display of nurses' uniforms.

The conference, opened by its Patron, the Duchess of Kent, comprised twenty-four lectures. Two were of pharmaceutical interest: "The Value of Tonics" and "New Drugs and Developments in Mental Diseases." In the former, DR. J. C. HOUSTON (physician to Guy's Hospital, London) stressed the necessity for specific therapy in cases of anæmia. Indiscriminate prescribing of tonics, he said, could sometimes hinder diagnosis of underlying disorders. However, in convalescence and cases of anorexia, the tonic still held its place as a "promotor of well-being."

Eighteen films, sponsored by drug and food firms, were shown during the exhibition. They illustrated modern trends in therapeutics, surgery and nursing techniques.

Among the exhibitors were:

ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2 (Egnell's breast pump); AMES CO., Nuffield House, London, W.1 (Albustix, Clinistix, Clinitest, Acetest, Ictotest, Occultest, Phenistix, Hemotest).

BAILLIERE, TINDALL & COX, LTD., 7 Henrietta Street, London, W.C.2 (text-books); BEECHAM PHARMACEUTICALS, LTD., St. Helens, Lancs (Eno's Fruit Salt, Dinneford's fluid magnesia, Setlers, Germoloids); BOEHRINGER PRODUCTS DIVISION, PFIZER, LTD., Sandwich, Kent (Dulcolax; Villescon; Vasculit; Camyna).

CALMIC, LTD., Crewe Hall, Crewe, Ches (Drapolene, Hypon, Calpol, Ferromyn, Vascutonex, Polybactrin, Cicatrin); CONTINENTAL LABORATORIES, LTD., 101 Great Russell Street, London, W.C.1 (Fluscorbin, Entrosalyl, Taxol, Conprin, Colchipirine, Stannoxyl); FRANK COOPER, LTD., Victoria Works, Oxford (sugarless fruits, marmalade, etc.); COW & GATE, LTD., Guildford, Surrey (milk foods); CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10 (halibut-oil capsules, hand cream and lotion, Lacto-Calamine, Anabalm, Karvol, Collozets).

DALMAS, LTD., Junior Street, Leicester (Lestreflex, Dalzoband, Dalmaplast); DIETADE FOODS, LTD., Colnbrook, Bucks (dietetic foods).

ENERGEN FOODS, LTD., Willesden, London, N.W.10 (dietetic foods).

FABER & FABER, LTD., 24 Russell Square, London, W.C.1 (text-books); FARLEY'S INFANT FOOD, LTD., Plymouth (milk food, rusks).

GENATOSAN, LTD., Loughborough, Leics (Sanatogen, Sebbix, Acnil); GENERAL MILK PRODUCTS, LTD., Bush House, Aldwych, London, W.C.2 (Carnation milk).

HARKER, STAGG, LTD., Emmott Street, London, E.1 (Celevac, Gon tablets, Rayolast, Emmotone); H. J. HEINZ & CO., LTD., Harlesden, London, N.W.10 (strained foods, Junior foods).

IMPERIAL CHEMICAL INDUSTRIES, LTD., pharmaceuticals division, Fulshaw Hall, Wilmslow, Ches (Savlon, Siopel, Lorexane, Hibitane, Glyped); INTERNATIONAL CHEMICAL CO., LTD., 12 Chenies Street, London, W.C.1 (Anadin, Bisodol, Preparation H).

JOHNSON & JOHNSON (GT. BRITAIN), LTD., Slough, Bucks (dressings, plasters, bandages).

KEEN, ROBINSON & CO. (J. & J. Colman, Ltd.), Carrow Works, Norwich (baby foods; barley waters).

LACTAGOL, LTD., 51 Clapham Road, London, S.W.9 (Lactagol tablets, Vasogen silicone, Woodward's "gripe water"); LASTONET PRODUCTS, LTD., Carn Brea, Redruth, Cornwall (elastic hosiery); LENTON PRODUCTS, LTD., P.O. Box 78, Grove Road, Lenton, Nottingham (Yales elastic hosiery); H. K. LEWIS & CO., LTD., 136 Gower Street, London, W.C.1 (text-books); LIBBY, MCNEILL & LIBBY, LTD., 15 Lime Street, London, E.C.3 (Libby's evaporated milk); LLOYD-HAMOL, LTD., 11 Waterloo Place, London, S.W.1 (Transvasin, Thoracin).

MARMITE, LTD., Walsingham House, Seething Lane, London, E.C.3 (yeast extracts); S. MAW, SON & SONS, LTD., Aldersgate House, Barnet (baby products); MILTON PHARMACEUTICALS, LTD., 10 New Burlington Street, London, W.1 (sterilisation unit); MOORE MEDICINAL PRODUCTS, LTD., Waverley House, Waverley Place, Aberdeen (Q-Tips, baby products, hand cream, Codasphen, Codella).

THE NESTLE CO., LTD., St. George's House, Wood Street, London, E.C.2

(beverages); NORGINE PHARMACEUTICAL PRODUCTS (LONDON), LTD., 26 Bedford Row, London, W.C.1 (Carbomucil, Enzypan, Normacol).

RECKITT & SONS, LTD., Hull (Dettol, Disprin, Codis, Cafdis); W. J. RENDELL, LTD., Ickleford Manor, Hitchin, Herts (Santronex); RIDDELL PRODUCTS, LTD., 10 Dunbridge Street, London, E.2 (asthma inhalants); ROBINSON & SONS, LTD., Wheat Bridge Mills, Chesterfield (surgical dressings); ROZALEX, LTD., 10 Norfolk Street, Manchester, 2 (skin cleansers and barrier creams).

A. & R. SCOTT, LTD., 10 Victoria Road, Willesden, London, N.W.10 (baby foods, Brands invalid foods); G. D. SEARLE & CO., LTD., Lane End Road, High Wycombe (Aldactone, Dartalan, Dramamine, Enavid, Floraquin, Metamucil, Mornidine, Nilevar); SMITH & NEPHEW, LTD., Bessemer Road, Welwyn Garden City, Herts (Melolin, Carbonet).

TAMPAX, LTD., Dunsbury Way, Havant, Herts (tampons); EDWARD TAYLOR, LTD., Monton, Eccles, Manchester (surgical dressings).

A. WANDER, LTD., 42 Upper Grosvenor Street, London, W.1 (Ovaltine products, diabetic chocolate); WILLIAM R. WARNER & CO., LTD., Eastleigh, Hants (Agarol, Anusol, Gelusil, Veganin); WEST PHARMACEUTICAL CO., LTD., 9 Palmeira Mansions, Church Road, Hove, Sussex (Cremalgin, Tabalgin, Parabal, Filon); WESTMINSTER LABORATORIES, LTD., Chalcot Road, London, N.W.1 (Senokot, Pripsen); JOHN WYETH & BROTHER, LTD., Clifton House, Euston Road, London, N.W.1 (S.M.A. infant food).

NOW "EARNING ITS LIVING"

An electronic computer in operation at Nottingham

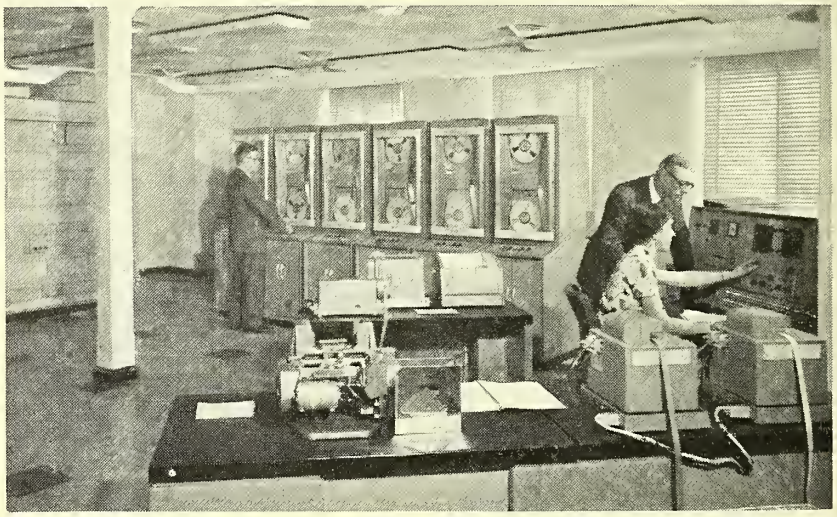
CAPABLE of processing information at a speed of over 7,000 letters or figures per second, the new computer installed by Boots Pure Drug Co., Ltd., at Station Street, Nottingham, has "now started to earn its own living." The Emidec 1100 data-processing system is the largest single commercial installation in Great Britain and was the first completely transistorised computer to be delivered for commercial use. It is now dealing with all orders for photographic equipment from 1,300 Boots shops.

Certain frequently demanded photographic goods are listed in a stock book, at the side of which are printed cards on which orders for as many as forty-five different items can be made out by a series of marks with a special soft pencil.

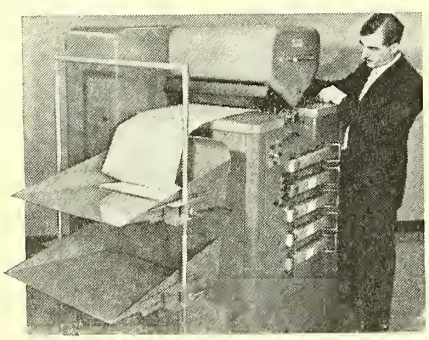
The only writing by hand on the card is the number of the branch. When the order is received at Nottingham the card is fed into a machine which senses the graphite in the pencilled marks and punches a hole wherever a mark appears.

Cards are handled by the machine at the rate of 100 per minute.

Items in less frequent demand are ordered on simple forms on which all that needs to be written is the quantity and a four letter code identifying the item required. When received such orders are transferred to a paper tape by an operator using a machine with a keyboard similar to that of a typewriter. Another operator checks the punched tape and corrects any inaccuracies. Punched cards or tape can be handled by the computer which is the next stage in the operation. 300 cards a minute can be fed into the computer, whilst the paper tape can be read at the rate of 300 characters per second. The cards and tape are scanned by the machines and the punched information translated into the electrical impulses which actuate the computer.



The computer installation, showing from the left, clockwise, one of the two computer cabinets, the six magnetic tape units, the console, the two paper tape readers, the punched card reader, and in the centre the automatic tape punch and the monitor printer.



The Samastronic printer can print outlines of 140 characters at a rate of 300 lines per minute.

As the computer processes an order, each item is subtracted from the inventory which has been kept up-to-date by having information fed into it every day about the fresh stocks taken in by the warehouse.

The computer thus maintains a perpetual inventory of the goods in the warehouse. The items on the order are sorted by the computer into warehouse bin sequence to speed up the assembly of the goods on the order. The information yielded by the computer is then either recorded on magnetic tapes or fed to Samastronic printers which can produce lines of 140 characters at a speed of 300 lines per minute, and issue invoices in duplicate giving a full description of each item and extended price. The computer adds up not only the total of each order, but also the total value of the goods supplied to the branch to date.

If an item ordered by a branch is out of stock the computer records the details on a magnetic tape which is later "played through" a Samastronic printer and provides a printed out-of-stock-advice which is sent to the branch. Later when stock becomes available the tape is fed into the computer and it prints out the duplicated invoice as before. The duplicate of the invoice is used by the warehouse to assemble the order.

At present the computer is processing the fortnightly photographic stock and special orders from the branches, totalling approximately 2,000 orders on Mondays and 1,000 on other working days, a procedure it completes in about 80 minutes each day.

"New Thinking" Made Possible

At a demonstration of the system held for the Press, Mr. D. S. Greensmith (general office manager for the company) stated that no computer would earn its keep by simply doing routine work. The advantages to be gained were not just the speeding up of calculations or the elimination of much drudgery, "but in the new thinking that it makes possible." The system provides a closer and more detailed reading of the ups and downs of public demand, taking into account variations too swift and too minute to have been measured before. There will be automatic critical stock warnings for the buyers whenever supplies of a particular line are getting low. "And for the planning of buying and production we shall be able to provide almost infinite variations of statistics." The approximate cost of the installation was £220,000.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

CHANGE TO METRIC SYSTEM

Meeting to be arranged to discuss problems

THE Council of the Pharmaceutical Society of Great Britain has approved a recommendation that the British Medical Association, the National Pharmaceutical Union and the Ministry of Health should be invited to discuss the problems that would arise in connection with the proposed abandonment of the apothecaries' system of weights and measures. The recommendation was submitted by the Public Services Committee at the meeting of the Council held in London on October 5 and 6. The Committee also reminded the Council of earlier correspondence with the Ministry of Health concerning central sterilisation services in hospitals, and reported the receipt of a letter from the Ministry stating that the position of the pharmacist in the establishment of central sterilisation services had been discussed by the Standing Pharmaceutical Advisory Committee in July last. The next step for that Committee was to seek a meeting with representatives of the Standing Medical and Standing Nursing Committees. The Ministry considered that any further meeting as suggested by the Society should await the outcome of the consideration being given to the matter by the Standing Pharmaceutical Advisory Committee. The Council adopted a recommendation of the Committee that the formation of an *ad hoc* committee of the Central Health Services Council to consider all aspects of the establishment of central sterilisation services should be encouraged.

The Council also agreed that pharmacists should be encouraged to co-operate locally in the campaign inaugurated by the Royal Society for the Prevention of Accidents, called "Lock Away Dangers" and directed at the proper storage of medicines and poisons in the home.

The SECRETARY and REGISTRAR reported the receipt of a letter from Sir David Cairns announcing his resignation from the chairmanship of the Statutory Committee following his appointment as a High Court judge.

Registrar's Visit to Poland

The Council decided that a letter of thanks and appreciation should be sent to the Polish Pharmaceutical Society for the hospitality accorded to the Secretary and Registrar, who had attended the Fifth Scientific Congress of the Polish Pharmaceutical Society, conveying a message of greetings and good wishes from the British Pharmaceutical Society. They also tendered the Society's congratulations to the Polish Society upon the one thousandth anniversary of the foundation of the Polish State and presented to them a seventeenth century English bell metal mortar.

The Education Committee recommended the award of a number of grants to institutions in recognition or encouragement of services to pharmaceutical education or research, and the Council agreed the following:—School of Pharmacy, Robert Gordon's Technical College, Aberdeen, £1,000; School of Pharmacy, City of Birmingham College of Technology, £500; Pharmacy Department, Bradford Institute of Technology, £500; School of Pharmacy, Chelsea College of Science and Technology, £1,000; Department of Pharmacy, City of Liverpool College of Technology, £500; Pharmacy Department, City of Portsmouth College of Technology, £500.

It was reported that no candidates obtained the minimum marks for the award of the Pereira, silver or bronze medals, and the President, acting on the authority given to him by the Council, had directed that no award be made for 1960.

It was reported that Miss Valerie Freeman, Stoke-on-Trent, had been awarded the Umney Memorial Prize 1960.

The following results for the Entrance Examination held in July 1960 were reported: Twenty-nine candidates entered in three subjects; four passed in one subject, eleven passed in two subjects, seven passed in three subjects and seven failed in three subjects. Two candidates entered in two subjects; one passed in one subject and one passed in two subjects. Sixteen candidates took one subject; nine passed and seven failed.

Reports were received on the Pharmaceutical Chemist Qualifying examinations held in August 1960. Of the 262 first-time entries for the whole examination in Scotland 108 passed, sixty-one failed. Thirty-nine were referred in one subject and fifty-two in two subjects. In England and Wales 309 entered, 138 passed, fifty-six failed. Seventy-two candidates were referred in one subject and thirty-eight in two subjects. It was reported that twenty-one candidates in Scotland had entered in July under the new conditions for examination in all subjects of Part I of the Pharmaceutical Chemist Qualifying examination and that twelve had been successful. Of seven candidates who had entered in all subjects of Part II of the examinations in England and Wales three had passed and four had been referred in Pharmaceutical Chemistry II.

At the Intermediate examinations in Scotland thirteen candidates entered and eight were successful. There were twenty-one entries in England and Wales of whom ten passed.

Gift of Drug Jars

It was reported that the collection of the late John Austen, Sheffield, presented by his widow had been received. It comprised thirty-three drug jars of which seventeen were creamware, a fine leech jar, together with Staffordshire pot lids, a mahogany prescription case and medicine chest, a pewter feeding bottle and other "bygones."

It was reported that of four estimates for carrying out the remaining alterations and re-decoration in Nos. 16 and 17 Bloomsbury Square the lowest tender of £11,877 had been accepted.

Legacies were reported from Mrs. A. L. Wallace of Manchester, amounting to £7,387 6s. 2d. and from Mr. J. H. Davies of Herne Bay amounting to £1,044 14s. 2d.

The Finance Committee reported that inquiries were being made as to the extent of the damage suffered by pharmacists during the recent floods in the Isle of Wight and Devonshire.

During July and August the Society's inspectors and agents had visited premises occupied by 2,391 authorised sellers and 577 drug stores and similar establishments. Forty cases of alleged infringements of the Pharmacy and Poisons Act, 1933, Pharmacy Act, 1954, and the Therapeutic Substances Act, 1956, were considered and appropriate action was taken.

THE PRESIDENT reported on the meetings of the International Pharmaceutical Federation at Copenhagen recently and paid a tribute to Sir Hugh Linstead's presidency of the Conference. MR. H. STEINMAN endorsed the President's tribute to Sir Hugh and also congratulated Mr. Heseltine on his paper. MR. GRAINGER said that for the first time he felt, at Copenhagen, the influence of the Federation on pharmaceutical policy in a number of countries. MR. E. A. BROCKLEHURST drew attention to the fact that during the congress Mr. W. K. Fitch was made chairman of the Commission on Pharmaceutical Abstracts, which was an honour for the Society. He proposed, and the Council agreed, that a message of thanks and appreciation be sent to the chairman of the Danish-Swedish organising committee for the excellent arrangements they had made for entertaining the Assembly and Congress.

Pharmaceutical Society of Ireland

MONTHLY MEETING OF COUNCIL

MR. Frank Loughman, T.D. (vice-president), was elected *President* of the Pharmaceutical Society of Ireland at the monthly meeting of the Society's Council, held in Dublin, on October 11. Mr. Gerald C. O'Neill was elected *Vice-president,* and Mr. Michael Costello was re-elected honorary *Treasurer.* All three elections were unanimous.

At the beginning of the meeting, MR. CORRIGAN said that before retiring from office he wished to thank all the members of the Council for the assistance they had given him, and the indulgence they had shown towards him, during his term of office, which had made his task a pleasant and satisfactory one. Mr. Corrigan thanked the registrar (Mr. J. G. Coleman) for his patience, advice and help over the past nine years since he had become an honorary officer, and said that it would probably take another nine years to fully assess all that Mr. Coleman had done for him.

" The Right Man at the Right Time "

Proposing the election of Mr. Loughman, Mr. Corrigan said he did not think there could be a wiser or better choice at this particular time. He was the right man, for the right job, at the right time. During his term as president he had come to know Mr. Loughman well, and he was glad that in spite of the heavy demands on Mr. Loughman's time as a public representative, he was able to accept the office of president.

Seconding, MR. F. J. ROBINSON said he was glad to learn that Mr. Loughman could be available for the rather onerous duties of president. Since he had joined the Council he had been impressed by the amount of sound and solid advice that Mr. Loughman had always so freely given on all problems confronting the Council. He would be of great assistance to the Council in his political capacity at the present time, but even if Mr. Loughman had never entered the Dail he would be well qualified to fill the position because he was a pharmacist of outstanding ability.

Replying, MR. LOUGHMAN, who was invested with the chain of office, said it was a great pleasure and honour to occupy " this very exalted position, the highest in our pharmaceutical world." He explained that until the previous week-end he was very doubtful if he would be able to get sufficient time to attend to the duties of office, but he had now been given an assurance that he would be able to get the necessary leave to attend, within reason, the Council's meetings and the other functions which a president would be called upon to fulfil. Thanking the Council for having elected him, Mr. Loughman, in a tribute to Mr. Corrigan, said he regarded him as a close personal friend and a man whose friendship he had always valued sincerely. He had filled the office of president for the past two years with great dignity, and the distinguished service rendered to the Council by him and previous presidents, made him (Mr. Loughman) a little apprehensive lest he might not measure up to the standards of his predecessors. He hoped he would be able to discharge his duties in a manner satisfactory to all members of the Council and that he would be able to uphold the dignity of the profession.

Mr. Loughman proposed the election of Mr. O'Neill as vice-president and Mr. P. A. Brady, T.D., seconded. MR. O'NEILL said he would be pleased to serve under the new president because he believed that they would co-operate. On the other hand he could assure the Council that he would not merely press him but prod him " when it comes to the Department of Health."

Proposing the re-election of Mr. Costello, MR. J. GLEESON said it was unnecessary to emphasise or eulogise his many sterling qualities. He knew of no man better fitted to present a balance sheet—favourable or unfavourable. MR. C. J. CREMEN, seconding, humorously remarked that no man was better capable of transferring a debit balance into a credit one!

On the motion of MR. COSTELLO, seconded by MR. T. B. O'SULLIVAN, Messrs. J. J. Griffin & Co. were re-elected auditors.

THE REGISTRAR stated that the present constitution of the House, Schools and Law Committees was that any member of the Council who was able to attend was eligible to take part in their affairs, and on the motion of the president, seconded by Mr. O'Neill it was agreed that that arrangement should continue.

Messrs. Banks, Cremen, Kennelly, Semple and O'Neill (ex officio), were re-elected to the Certificates and Declarations Committee, together with Mr. O'Sullivan.

Messrs. Banks, Cashman, Kennelly, Miller and Broderick were re-elected to the Benevolent Fund Committee.

MR. KENNELLY said that due to the lack of interest among the members, the Irish Pharmacy Week Committee had had to postpone the holding of their second Pharmacy Week until next Spring. The Committee had some good ideas in mind to make the Week even more successful than the first. On his proposal, Messrs. Semple and Banks were appointed to represent the Council on the Committee.

MR. MILLER said that now that the Society had been informed of the progress being made with the proposals to establish the new pharmacy degree course, he thought the Council should urge the Minister to expedite the introduction of the new Pharmacy Bill. THE PRESIDENT said that an interval of three months might elapse between the introduction of a Bill in the Dail and the fixing of the second stage, and he thought for that reason it would be desirable if they could get an advance copy of the proposals which the Minister intended to incorporate in the Bill. That was agreed.

The Council agreed to appoint Dr. G. W. M. James as assistant lecturer of pharmacology to Professor Cannon.

At the beginning of the meeting, THE REGISTRAR stated that Mr. V. G. McElwee (a member of the Council) was ill in the Bon Secours nursing home, Dublin. The Council expressed the hope that he would make a speedy recovery.

The registrar reported that five of the sixteen candidates who had presented themselves for the supplemental examination had passed. Two candidates had presented themselves for the registered druggist examination that morning and both had passed.

Post-graduate Education

Mr. D. W. Boyd (director, Post-graduate Education Committee), in a report to the Council on the completion of the fifth year of post-graduate studies, stated that two courses of instruction had been introduced during the year, and that a number of new candidates were enrolled in the postal course introduced in 1959. While the number attending the first of this season's courses on sterilisation techniques had been somewhat small the candidates had declared themselves well pleased with the practical value of the course. By far the greatest undertaking during the year however had been the postal course in applied phytopharmacy. That had attracted a greater number of candidates than any other course. In addition to those availing of it in the Republic there was a large number from the United Kingdom, as well as from many overseas countries. It was felt by the Committee that that fact should do much to raise the prestige of the Society in the eyes of fellow pharmacists in other lands. The report added that there had been a credit balance at the end of the session of £495 4s. 2d.

The registrar was instructed to convey the Council's thanks to the director and Committee on the splendid achievements recorded in the report.

(To be concluded)

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

TELEPHONE CENTRAL 6565

Safeguard or Deterrent?

A MIDLANDS chemist who has been asked to serve on his local council is anxious to know, before taking a decision to contest a by-election, how he would stand if a question arose in committee or open council in which, as a trader, he had an interest financially. The question is an important one which has been troubling Home Office legal experts, magistrates and others a good deal since the passing of the 1933 Act which lays down the rules. Though the rules have stopped much of the "graft" which was rife at that time, they make it extremely difficult in this day and age for the trader-councillor to represent fully the interests of other traders in the town. They also serve to scare off many retailers and businessmen from council work.

The legal position is that a council member who has a direct or indirect financial interest in any contract, proposed contract or other matter is required to disclose the fact as soon as practicable after the start of the meeting. He is not to take part in the consideration or discussion of the particular contract or other matter, nor can he vote on any question relating to it. That is clear enough. But what *is* an indirect interest? The Act lays it down that a member is to be treated as having indirectly a pecuniary interest if:

(a) he or any nominee of his is a member of, and has a beneficial interest in any share in, a company or other body (except a public body) with which the contract is made or is proposed to be made, or which has a direct pecuniary interest in any other matter under discussion or consideration; or

(b) he is a partner or is in the employment of a person with which the contract is made or is proposed to be made or who has a direct pecuniary interest in any other matter being discussed or considered.

There is a further provision, which modifies to some extent the other two. It concerns the situation in which a member's indirect financial interest arises only by reason of his having a beneficial interest in shares in a company or other body. If the total nominal value of those shares does not exceed £500 or one hundredth of the total nominal value of the company's issued share capital, whichever is the less, the member, though still bound to disclose his interest, is not prohibited from taking part in the consideration or discussion or from voting on the item in question. In the case of married persons living together, the interest of one spouse is, if known to the other, deemed to be also an interest of that other spouse.

That is the position as set out in the Statute Book. A member of a council is left in no doubt about how he stands so far as contracts are concerned. But he is given little help in sorting out his position in the case of what the Act calls "other matters." It is laid down, in effect, that a member must declare his interest and refrain from voting if he or his wife or his partner or his employer has a financial interest in any matters before the council. But, apart from contracts, the Act does not say what those matters are.

The courts, as might be expected, have tended to place a wide interpretation on the point. They have stressed again and again that the clear object of the provision of the Act "was to prevent the conflict between interest and duty which might otherwise inevitably arise." In a recent case, for example, a member of a local authority who was managing director of, and a shareholder in, a private company carrying on business as builders was held to have an indirect financial interest when the authority were discussing the general policy of the council regarding direct labour—for his company were, in fact, in a position to tender for contracts.

It is not difficult to see the dangers which, as a result of that decision, now beset the path of the trader-councillor. He has an indirect financial interest in bringing more trade to the shopping area because such an increase would assist him financially in his business—so he cannot, strictly speaking, have anything much to do with parking, new development, bus services, new roads and the like. He cannot discuss town development or certain planning points. Because he is a ratepayer, as well as a councillor, he has to be careful what he says when property assessments of commercial areas are discussed. That is, of course, a ridiculous and even dangerous state of affairs. It puts the councillors who represent the trading community in an unenviable position and undermines their attempts to stop the forcing through of issues which would be detrimental to trade interests. Though protection is still needed against any councillors who may feel tempted to feather their personal nests, new rules are required to lift the muzzles from those who would speak and vote on their colleagues' behalf.

ECHOES OF THE PAST

A QUARTAN AGUE

From "Primitive Physick: or, an Easy and Natural Method of Curing Most Diseases" *by John Wesley.* London, 1772

*29. Apply to the Suture of the Head, when the Fit is coming, *Wall July Flowers,* beating together Leaves and Flowers with a little Salt. Keep it on till the Hot Fit is over. Repeat this, if Need be.

30. Ufe *ftrong Exercife,* (as Riding or Walking, as far as you can bear it) an Hour or two before the Fit. If poffible, continue it till the Fit begins. This alone will frequently cure:—Tried.

31. Or apply to the Wrifts a Plaifter of *Turpentine:*

32. Or, of bruifed *Garlick:*

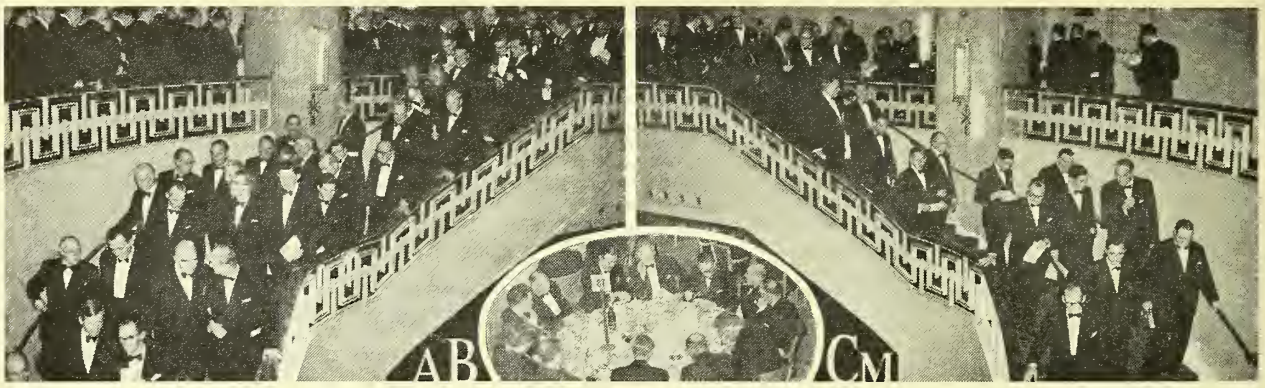
33. Or, of bruifed *Pepper,* mixt with *Treacle:*

34. Or, apply *Oil of Turpentine* to the fmall of the Back, before the Fit:

*35. For a *Tertian* or *Quartan,* vomit an Hour after the cold Fit begins. Then go to Bed, and continue a large Sweat by *Lemonade,* (that is, Lemon, Sugar and Water) for fix or eight Hours. This ufually cures in three or four Times. If it does not, ufe the *Cold Bath* between the Fits.

36. Or, drink every Morning a Gill of White Wine, wherein half a fliced *Seville Orange* is boiled:

* That is, An *Ague* which miffes two Days; coming on *Monday* (fuppofe) and again on *Thurfday.*



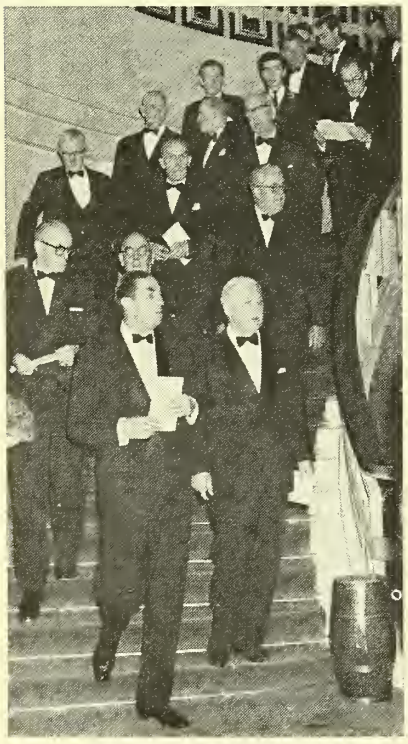
American Chemical Policy Towards Russia

U.S. MANUFACTURERS' PRESIDENT AT A.B.C.M. DINNER

THE right to sell to Russia complete chemical plants and technical knowledge that would bring her abreast of the West in the field of industrial chemistry, was strongly disputed by GENERAL JOHN E. HULL (president of the Manufacturing Chemists' Association, Inc., of the United States of America) on October 12.

General Hull was speaking as principal guest and replying to the toast "Our Guests" at, the annual dinner of the Association of British Chemical Manufacturers, held in London.

General Hull recalled that two years ago the Russian Premier Khrushchev had sent to President Eisenhower a proposal that the Soviet Union should obtain in the United States, on an extensive scale, industrial equipment and technical data and know-how for the production of a variety of key basic chemical products. U.S. Government officials sought the views of the chemical industry and, after a careful study, the industry recommended against the sale or transfer to the Russians of any chemical technological information not generally known throughout the world. Trade with Russia in commodities or finished products was not opposed when such trade was not in conflict with U.S. national security.



In the past, Soviet Russia had seen fit to devote the energies of her scientists primarily to the development of the sinews of war. She now asked to purchase—on credit— the technical knowledge that would bring her abreast of the West. Under the new Soviet seven-year plan, said the General, the chemical industry of that country was expected to expand 300 per cent. by 1965. Capital expenditures of about £9,000 millions had been allocated to the industry for rebuilding and expansion. About £6,000 millions of the amount additionally allocated by the Soviets to the petroleum industry would go into petrochemical production. To give some idea what that meant in expansion, General Hull said that the entire chemical industry of the United States had assets worth £8,500 millions.

Without help from the West, U.S. experts thought that Russia's chemical industry would very likely fall short of its goals. Not enough skilled technicians were available for the rapid shift; difficult management problems existed for the Soviet chemical industry had been "entangled in bureaucratic red tape for a long time" and there was also a serious equipment shortage. Those were the problems the Russians were trying to solve when offering to buy chemical equipment and technology abroad on credit, of course.

American chemical plants could not be sold to the Russians, or the Russian personnel trained to operate them, without giving them the benefit of U.S. advances in that field. Admittedly, Soviet Russia could in time make comparable technical advances, her scientists were just as able as those of the West, but the time factor was something the American chemical industry should not barter away lightly.

General Hull went on "We are becoming increasingly familiar with Russia's use of trade and goods to weaken other economies or to capture markets for her exclusive province. That practice was going on on a scale larger than many realised. The key to it was that Russian prices did not have to be related to her economy. The Russians cut prices to drive out competition, but when they were sure of their markets, as they were in dependent countries in Europe, they set their prices high. They had followed those practices in concentrated spots, especially the Middle East, Africa, the Far East and South America. They had been steadily pushing economic penetration in Europe and Japan. They had dumped commodities on the American market, not in huge amounts so far but apparently in sufficient quantity and in periods contemplated to break domestic prices.

Turning to the subject of the two trading areas of Western Europe, General Hull said he foresaw the European chemical industry becoming more self-sufficient in many chemical products. Economic integration would accelerate the growth of the European economy. That increasing market would open the way to larger, more economic production units, lower prices, and create larger sales. Expanding opportunities would spur competition and generate more growth as producers gained in efficiency, sought out new outlets and developed new products.

Recently about fifty top U.S. chemical executives had been polled on economic conditions within the industry. The replies had indicated that the effects on U.S. domestic exports had so far not been serious. However, about 40 per cent. of those polled expected competition from Europe to become a serious factor within two years. Over half had already taken steps to meet such competition by investing in foreign production facilities during 1960. That number would swell to 77 per cent. during the next five years. Of those planned facilities abroad, less than half would be wholly owned, the balance being jointly owned and financed in conjunction with foreign nationals. 56 per cent. of overseas expansion of that type had been in the

NEW ZEALAND HEALTH COSTS IN 1958-59

A probing report by the Department of Health

NEARLY 70 per cent. of the increased cost of administration of the New Zealand health benefits in 1959–60 was due to the rising cost of pharmaceutical benefits. That is stated in the annual report of the New Zealand Department of Health. Total expenditure during the year on all health benefits amounted to £19,891,627, an increase of £1,241,026 over 1958–59. The cost of drugs supplied by chemists was £5,787,684 (compared with £4,973,558 in 1958–59), by doctors £32,126 (£27,274), and by institutions £136,492 (£111,511); total, £5,956,302 (£5,112,343).

How Doctors Reacted

The report is outspoken on the cost of pharmaceutical benefits and gives details of a scheme that was introduced to curb a steep rise in pharmaceutical costs. In the first quarter (April-June) there was a rise in costs of 26 per cent. compared with the same period of 1958–59 and the number of prescriptions issued rose by 9·3 per cent. and their average cost by 7·7 per cent. It was found that "an important factor" in the rise was a growing tendency for doctors to order extended supplies for one month's treatment instead of the normal ten days' supply. However, there was evidence that there was an unusual amount of sickness that winter, and part of the rise in cost was artificial because of the clearance of arrears of payments to chemists: "Even if due allowance was made for these factors," says the report, "it was still clear that the year's expenditure would far exceed the estimates. These had provided for a rise of nearly £420,000 (8 per cent.); the actual increase seemed likely to be considerably more than £1,000,000."

The report goes on: "The situation called for drastic action. An emergency combined meeting was called of the two advisory committees most concerned; the Pharmacology and Therapeutics Committee (medical) and the Pharmaceutical Advisory Committee (chemists). The following action was unanimously agreed upon: (a) Ordinary prescriptions to be restricted to a maximum of seven days' supply, plus one 'repeat.' (Instead of ten days.) (b) Extended supplies, unless specially approved for individual patients, to be restricted to certain named drugs. These measures were put into effect on September 1. The reaction was immediate and violent. Resentment on the part of many doctors was intense, and the Department and the advisory committees came in for a great deal of acrimonious criticism. The advisory committees, having had all the facts before them, fully appreciated the necessity for action along these lines; but the situation was too complicated to be explained, except in brief outline, to the profession at large. So not unnaturally they were unwilling to accept it. A revised version of the extended supplies list was issued on October 1, and on April 1 it was considerably widened. These restrictions appear to have met with some success. At the end of September the most optimistic projection of drug costs indicated a probable increase of about £1,073,500 over the previous year. The actual increase was £843,959.

Critics had predicted that any saving in this direction would be outweighed by an increase in doctors' claims for general medical services. This did not happen. There was an unusual amount of illness early in the year, and by the end of September it looked as if the cost of general medical services would go up by about £283,400. In fact, however, the increase was only £250,753. So taking drugs and payments to doctors together, instead of an expected increase of £1,356,900, the figure was £1,094,712, an improvement to the tune of more than a quarter of a million pounds. Much of this was due, however, to a lessened prevalence of illness in the latter half of the year.

It is worth noting, incidentally, that while the drug bill was close on £6 millions (£5,956,302) payments to doctors for general medical services came to less than £4 millions (£3,931,273)."

Prescriptions passed for payment totalled 13,684,657, as compared with 12,847,773 the previous year. That equalled 5·9 per head of population (5·6 in 1958–59). The average cost per prescription was 8s. 3d. (7s. 11½d.) and the cost per head of population was £2 11s.

Time for a Reappraisal

Under the heading "Time to Think Again" the report comments: "The pharmaceutical benefits scheme has now been in operation for about eighteen years. Nobody is very happy about the present situation, and the time is ripe for a careful reappraisal of the entire scheme. This is being arranged.

Two widespread beliefs may be examined briefly: (a) That the rising cost is largely due to the existence of the 'free medicine' scheme. ('New Zealand is becoming a nation of pill swallowers and medicine guzzlers,' etc.) (b) That a charge on prescriptions would help to control the cost.

The experience of two other British countries is of interest. In Australia the 'free list' has until recently been strictly limited to 'life saving' and 'disease preventing' drugs. In the past seven years, however, the total cost of the Australian drug scheme has risen even faster than ours; by 176 per cent., as compared with 112 per cent. here. In 1958–59 their limited scheme cost about £(A)2 4s. per head of population; ours, with its much wider range and coverage cost £2 4s. 11d. In Canada there is no scheme for free medicine in private practice. Doctors' fees are very high—the equivalent of 30s. per consultation in the surgery, or double that for a home visit. Competition between doctors (which is generally believed to have effects on prescribing habits, reflecting the doctor's desire to please the patient) is stated to be 'fierce.' Yet in seventeen years the total cost of prescriptions dispensed by chemists in Canada has risen from 12 million dollars in 1942, to 112 millions last year—an increase of 833 per cent. The cost per head of population in Canada last year was equal to £2 8s., which is not far off our figure of £2 11s. 0d. The average prescription in Canada costs 2·7 dollars, or about £1; the average cost here was 8s. 3d.

A similar situation exists in the United States and in Britain—in fact, in all developed countries. In the United States, in the five years up to 1957–58, the rise of expenditure on 'drugs and medicaments" was 120 per cent. (as compared with 48 per cent. in those years here) and in 1957–58 the average cost per head of prescribed items alone was equal to about £4 10s. (The figure for New Zealand in that year was £2.)

In England and Wales in the first eight complete years of the National Health Service (commenced 1948) the total cost doubled, and the cost per head very nearly did likewise. This was closely similar to our recent experience here. In 1956 the 1s. charge per prescription form was converted into a 1s. charge for each prescription. This was expected to yield a net saving of £4½ millions in the first year. Instead, the net cost rose by £1¼ million.

It is a fair inference from these facts that: (a) New Zealand's rising drug bill is part of a world-wide pattern, and is not due to the existence of the 'free medicine' scheme. (b) A charge on prescriptions would be unlikely to have any marked effect in combating rising costs. (If it is thought that Britain's experience with a moderate charge is not convincing, what about Canada, with what amounts to a '100 per cent. charge on prescriptions'?)

A fact that is seldom appreciated is that the attitude of the public towards drug treatment has completely changed in less than a generation. It is true that twenty years ago doctors had to be careful not to write expensive prescriptions, lest the patient complained about the cost. But at that time all that most patients desired was a 'bottle of medicine.' The public knew little about drugs, and had only limited faith in their power to do good. Today they have been educated, largely through the popular Press, to believe that there is a specific remedy for every ill, and they know that potent drugs are often very costly. So in countries where they cannot get them 'free on the Fund' they are quite prepared to pay for them. These facts will have to be taken into account when the position is re-examined."

N.H.S. STATISTICS

In ENGLAND during April 16.610,100 prescriptions (10.980,974 forms) were dispensed at a total cost of £5.884.520. Average cost per prescription was 85·03d.

CUMULATIVE LIST OF AMENDMENTS TO THE *C. & D.* Quarterly Price List, *September 1*

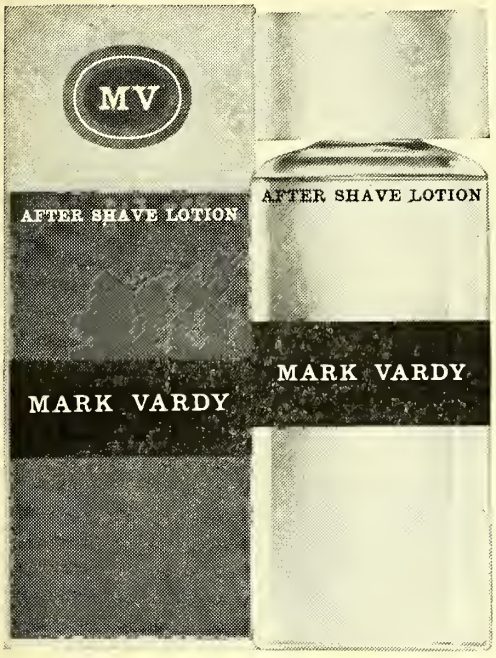
● THIS WEEK'S CHANGES ARE GIVEN SEPARATELY AT END

20 Carats (350 Dana)										
perfume ..	.. trial	45	0	22	3	7	6			
	124A	6	3ea	3	1ea	12	6			
	124V	10	6ea	5	2ea	21	0			
A. & P. (104 BP)										
infants' powders ..		15	0	3	9	1	11			
Actifed (208 BW) tablets	500	1040	0 ..		..	130	0	†s7		
Adaptoplast (339C G)										
dressings, first aid	M286	7	6 ..		..		10½			
	M285	15	0 ..		..	1	9			
Adcortyl-A (1176 Squibb)										
ointment ..	50 gm	31	9ea		..	47	7½	TS		
with **Graneodin**	50 gm	35	6ea		..	53	3	TS		
Adwin (266 Clarnell)										
paediatric ..	.. 4 oz	30	0 ..		..	4	5			
	16 oz	108	0 ..		..					
tablets	.. 100	52	0 ..		..	6	6			
	500	216	0 ..		..	27	0			
Albion (339 CG)										
cotton wool ..	.. ½ oz	4	3 ..		..					
	1 oz	5	4 ..		..					
	2 oz	8	5 ..		..					
	4 oz	14	2 ..		..					
	8 oz	24	6 ..		..					
	16 oz	3	8¾ea		..					
Aldactone (1121 Searle)										
tablets 100 mgm ..	20	61	8ea		..	92	6			
	100	289	10ea		..	434	9			
Aldis (884 NB) beaded screen										
"Square 40"		..	..		..	119	6			
"Square 50"		..	..		..	159	6			
Aldocorten (262 CIBA)										
ampoules	1 mil	27	4ea		..	41	0	TS		
Allercur (1107 SAGB)										
(distributors 973 Pharmethicals)										
tablets 20 mgm ..	20	2	5½ea		..	3	6	†s7		
Ambre Solaire (525 Golden)										
aerosol	..	91	0	45	6	15	0			
Amphetone (1348 JW)	10 oz	60	0 ..		..	..				
	20 oz	108	0 ..		..	..				
	40 oz	16	0ea		..	..				
	80 oz	28	6ea		..	..				
Anapolon (649 ICI)										
tablets 5 mgm ..	25	228	0 ..		..	26	6			
	100	840	0 ..		..	105	0			
	500	340	0ea		..	510	0			
Andre Philippe (48 AP)										
eau de cologne/lavender	18	9	0	4	6	1	6			
men's roll-on deodorant	104	16	10	4	2½	2	6			
perfume story book ..	XI	18	0	9	0	3	0			
Angel Touch (256 CPL)	tube	17	4	8	8	2	9			
	bottle	23	8	11	10	3	9			
Delete	tube	19	0	9	6	3	0			
Antilope (Weil) (960 ADP)										
eau parfumee ..	2 oz 080	9	6ea	4	7½ea	19	6			
	4 oz 081	16	6ea	8	0½ea	33	6			
	8 oz 082	26	3ea	12	9½ea	52	6			
	16 oz 083	46	3ea	22	6ea	92	6			
perfume handbag ..	017	7	9ea	3	9ea	16	0			
	¼ oz 016	14	9ea	7	2ea	30	0			
	½ oz 015	26	3ea	12	9½ea	53	0			
	1 oz 014	42	0ea	20	6ea	85	0			
	2 oz 013	75	0ea	36	6ea	150	0			
handbag coffret ..	SE	15	9ea	7	8ea	32	0			
diffusette ..	¼ oz 016D	17	6ea	8	6ea	35	0			
	½ oz 015D	29	0ea	14	2ea	58	0			
refill	½ oz 015R	26	0ea	12	8ea	52	6			
	4 oz 012	135	0ea	65	10ea	270	0			
de luxe bottle in coffret	1 oz	90	0ea	43	10ea	180	0			
"Secret de Venus" bath oil										
	¼ oz 060B	20	9ea	10	1ea	42	0			
	1 oz 061	37	6ea	18	3ea	75	0			
	2 oz 062	67	6ea	32	11ea	135	0			
	4 oz 063	127	6ea	62	2ea	255	0			
boblne ..	1 060	4	3ea	2	0½ea	8	6			
bobines ..	12 060	50	0ea	24	4½ea	102	0			
Aramine (837 MSD)	1 mil 12	20	0ea		..	30	0			
	10 mils	14	0ea		..	21	0			
Arrid (1003 PP)										
roll-on refill		27	0	6	9	3	6			
Asmapax (70 Aspro)	.. 250	420	0 ..		..	52	6	†s4B		
Azymil (176 BCLO)										
capsules	.. 30	49	6 ..		..	6	9			
Baghari (Piguet (1201 Supervite))										
bath oil	½ oz	13	0ea	6	6ea	26	9			
Balto (727 Lane)										
foot balm ..	1½ oz	17	11	4	6	2	6			
Delete	2 oz									
Bandit (Piguet (1201 Supervite))										
bath oil	½ oz	13	0ea	6	6ea	26	9			
Barbevite (1348 JW)	.. 5 oz	48	0 ..		..	..		†s1s4A		
	20 oz	15	0ea		..	..		†s1s4A		
	80 oz	53	0ea		..	..		†s1s4A		
Barbidex (70 Aspro) ..	30	42	0 ..		..	5	3	†s1s4A		
	250	294	0 ..		..	36	9	†s1s4A		
Basket of Flowers (1070 Windsor)										
toilet soap ..	..2112	58 gross	0	13 gross	9		7			

Beauti-Lash (385 DG)										
mascara applicator ..		75	0	37	6	12	6			
refill		46	0	23	0	7	9			
Becomel (324 Crookes) elixir										
	4 oz	26	0 ..		..	3	3			
	8 oz	40	0 ..		..	5	0			
	80 oz	360	0 ..		..	45	0			
Becosym (1074 Roche)										
with B12 ampoules ..	6	84	0 ..		..	10	6			
	50	480	0 ..		..	60	0			
Beecham's (104 BP)										
pills		15	0	3	9	1	11			
		33	0	8	3	4	3			
powders		15	0	3	9	1	11			
		31	2	7	9½	4	0			
		107 doz 60's	0	26 doz 60's	9		3			
tablets		15	0	3	9	1	11			
		31	2	7	9½	4	0			
Benbows (506 Gerhardt)										
roundworm tablets ..		15	0 ..		..	1	9			
super vitamin condition										
tablets	10	8	6 ..		..	1	0			
	30	21	0 ..		..	2	6			
tapeworm tablets ..		15	0 ..		..	1	9			
Benerva (1074 Roche)										
tablets 300 mgm ..	25	100	0 ..		..	12	6			
	100	300	0 ..		..	37	6			
Better Off (385 DG)										
for the face		66	0	33	0	11	0			
for the legs		54	0	27	0	9	0			
Biotrase (769 LH)	35 gm	45	0	11	3	6	0			
Bipepsogin (1152 SK) ..		16	6	4	1	2	3			
Biacirutex (1351 WLU) ..										
cough linctus		11	3	2	9¾	1	10			
		17	5	4	4½	2	9			
Body Mist (303 County)										
roll-on refill		23	4	11	8	3	9			
spray		23	4	11	8	3	9			
		40	6	20	3	6	6			
B-R (1023 Radiol)										
healing jelly	2 oz	22	6	5	7½	3	0			
Bristow's (303 County)										
star spray		80	0	40	0	12	6			
Bronchipax(70 Aspro)										
tablets	6	42	8	10	8	2	0			
		3 doz		3 doz						
	24	39	0	9	9	5	6			
	48	68	0	17	0	9	6			
	72	86	0	21	6	12	0			
Bronnley (194 Bronnley)										
after shave cream ..	209	33	0	16	1	5	9			
lotion 2½ oz ..	201/2	25	3	12	3	4	3			
5 oz ..	.. 201	45	6	22	2	7	6			
baby lotion ..	..2700	20	6	5	0	3	0			
cream 2 oz ..	.. 272	17	0	4	2	2	6			
powder 3 oz ..	.. 770	17	0	4	2	2	6			
bath crystals 2 lb	400/2	44	6	21	9	7	6			
4 lb	400/4	75	6	36	10	12	9			
salts apothecary jar	436	51	0	24	11	6	6			
bay rum 2½ oz ..	207/2	22	3	10	9	4	2			
5 oz ..	.. 207	34	6	16	10	6	3			
beauty Cologne										
2½ oz	1027/80	54	0	26	4	9	6			
5 oz	1027/81	76	0	39	0	13	6			
bath essence										
2½ oz ..	1027/82	54	0	26	4	9	6			
5 oz ..	1027/83	76	0	37	0	13	6			
hand lotion 5 oz	1027/84	39	6	18	9	7	0			
talcum powder	1027/85	24	6	12	0	4	3			
bath cubes (6)	1027/86	28	6	13	11	5	0			
(12)	1027/89	54	0	26	4	9	0			
brilliantine 2½ oz	206/2	22	3	10	9	4	2			
5 oz	.. 206	34	6	16	10	6	3			
honey and flowers										
2½ oz	208/2	22	3	10	9	4	2			
5 oz	.. 208	34	6	16	10	6	3			
orlginal oatmeal cream	253/1	18	6	9	0	3	3			
	253/2	38	0	18	6	6	6			
pine bath cubes (6)	2022/6	19	0	4	3	3	3			
essence 10 oz	.. 902	56	9	29	8	9	6			
pre-electric shave lotion										
	200/2	25	3	12	3	4	3			
	200	45	6	22	2	7	6			
shaving soap bowl	.. 205	58	0	14	2	6	6			
refill ..	205/R	34	0	8	3	5	0			
stick	..2304	20	0	4	11	2	9			
refill ..	2304/R	10	3	2	6	1	6			
soap										
baby toilet (3)	..1030	41	0	10	0	6	0			
bath ball ..	..1008	57	0	13	8	6	6			
beauty visitors (6)	1027/V	42	0	10	6	6	6			
toilet	1027/T	10	6	2	7	1	6			
bath	1027/8	20	0	4	11	3	0			
colossal ..	1027/C	51	6	12	7	6	0			
lemon toilet ..	.. 601	11	6	2	10	1	9			
bath ..	601/B	21	8	5	3	3	3			
visitors	601/V	7	3	1	9	1	1			

	marbles (34)	.. 434	49	0	11	11	7	6		
	melon ..	603/R	110	0	26	10	16	0		
	men's toilet (3)	.. 204	46	0	11	3	6	9		
	original round bath	1007/3	23	0	5	7	3	9		
	pine toilet 3 oz	.. 650	10	6	2	7	1	8		
	bath 6 oz	.. 651	18	6	4	6	2	9		
	pre-make-up	..1052	11	6	2	7	1	9		
	Scotch heather (3)	..1055	49	0	12	2	7	6		
	"sea shell" guest	.. 435	57	0	13	8	6	6		
	"shell" (3) .	..1050	30	6	7	5	4	6		
	turtle oil toilet	604/T	8	7	2	1	1	3		
	bath	604/B	15	0	3	2	2	2		
	sun-tan lotion ..	..2521	28	0	13	11	4	9		
	oil ..	..2522	21	0	10	3	3	6		
	talcum powder	..2711	34	6	16	10	5	9		
	mens ..	.. 203	26	0	12	8	4	6		
	turtle oil									
	talcum powder	.. 605	21	0	9	6	3	6		
	bath cubes (6)	.. 606	19	6	9	6	3	3		
	(12)	.. 607	33	0	16	0	5	6		
Brontyl (769 LH)										
	ampoules 2 mils	.. 5	60	0	..	..	7	6		
Brylcreem (303 County)										
	tub		11	8	5	10	1	10		
			18	1	9	0½	2	10		
			32	0	16	0	5	0		
	dispenser refill ..		25	6	12	9	4	0		
Calypso (Piguet (1201Supervite))										
	bath oil	½ oz	13	0ea	6	6ea	26	9		
Cambison (614 Hoechst)										
(distributors 621 Horlicks)										
	ointment 0·25%	5 gm	40	0	..	..	5	0	TS	
		20 gm	128	0	..	..	16	0	TS	
	0·5%	5 gm	64	0	..	..	6	0	TS	
		20 gm	204	0	..	..	25	6	TS	
Canoe (350 Dana)										
	perfume ..	.. trial	45	0	22	3	7	6		
		729A	6	3ea	3	1ea	12	6		
		729V	10	6ea	5	2ea	21	0		
	toilet soap (3) ..	.. 507	6	0ea	1	6ea	10	6		
Cardiazol (708 Knoll)										
	liquid 10% ..	10 mils	2	6ea		..	3	4		
		100 mils	19	6ea		..	26	0		
	tablets	.. 10	2	9ea		..	3	6		
		100	21	0ea		..	26	0		
Cardiazol ephedrine (708 Knoll)										
	drops	100 mils	20	0ea		..	26	6		
	tablets	.. 10	3	0ea		..	4	0		
		100	22	6ea		..	30	0		
Carters (1003 PP)										
	little liver pills	.. 36	14	5	3	7½	1	11		
		100	35	9	8	11¼	4	9		
Cassandra (Weil) (960 ADP)										
	eau parfumee ..	2 oz 080	9	6ea	4	7½ea	19	6		
		4 oz 081	16	6ea	8	0½ea	33	6		
		8 oz 082	26	3ea	12	9½ea	52	6		
		16 oz 083	46	3ea	22	6ea	92	6		
	perfume handbag	.. 017	7	9ea	3	9ea	16	0		
		¼ oz 016	14	9ea	7	2ea	30	0		
		½ oz 015	26	3ea	12	9½ea	53	0		
		1 oz 014	42	0ea	20	6ea	65	0		
		2 oz 013	75	0ea	36	6ea	150	0		
	handbag coffret	.. SE	15	9ea	7	8ea	32	0		
	"Secret de Venus" bath oil									
		½ oz 060B	20	9ea	10	1ea	42	0		
		1 oz 061	37	6ea	18	3ea	75	0		
		2 oz 062	67	6ea	32	11ea	135	0		
		4 oz 063	127	6ea	62	2ea	255	0		
	boblne ..	single 060	4	3ea	2	0½ea	6	6		
	bobines .	12 060	50	0ea	24	4½ea	102	0		
Cassells (Dr.) (104 BP)										
	tablets		18	4	..	..	1	11		
			40	9	..	..	4	3		
Ceelite (315 Crater)										
	electric blanket control		..	..	..		6	9		
	with neon		..	..	..		10	6		
Ceetherm (315 Crater)										
	electric blanket control		..	..	..		29	6		
Celbenin (1393 BRL)										
	vials 1 gm	5	65	0ea		..	97	6	TS	
		25	325	0ea		..	467	6	TS	
		100	1300	0ea		..	1950	0	TS	
Cephos (104 BP)										
	powders		15	0	3	9	1	11		
			31	2	7	9½	4	0		
			107	0	26	9		3		
			doz 60's		doz 60's					
			195	0	48	9		3		
			doz 120's		doz 120's					
	tablets		15	0	3	9	1	11		
			31	2	7	9½	4	0		
			170	2	42	6½		6		
			doz 48's		doz 48's					
Delete		60								
Delete		120								
Check (665 JS) cream ..		271	14	0	3	5	2	0		
spray ..		269	22	8	11	0	3	9		
Chesties (1215 Teasdale)			3	4		11¼		6		
Delete		5 lb								
Chilton (257 Chilton)										
	Sportsman electric shaver		..	..	..		57	6		
	Acculux rechargeable torch		..	..	..		42	0		
	illuminated magnifier		..	..	..		12	4		
	angle holder ..		..	..	..		10	0		
	Accuflash		..	..	..		54	9		
	equipment bag for photoflash		..	..	..		6	3		
	thread counter ..		..	..	..		6	0		
	screen plate ..		..	..	..		12	6		
	throat spatula kit with stand		..	..	..		15	0		
	dental kit with stand		..	..	..		13	6		
	otoscope		..	..	..		113	4		
	adaptor		..	..	..		16	6		
	reading lens		..	..	..		20	6		
	circuit tester ..		..	..	..		24	0		
	spy light		..	..	..		26	6		
	spare bulb		..	..	..			11		
	charging adaptor		..	..	..		2	3		
Chinchilla (Weil) (960 ADP)										
	eau parfumee ..	2 oz 080	9	6ea	4	7½ea	19	6		
		4 oz 081	16	6ea	8	0½ea	33	6		
		8 oz 082	26	3ea	12	9½ea	52	6		
		16 oz 083	46	3ea	22	6ea	92	6		
	perfume handbag	.. 017	7	9ea	3	9ea	16	0		
		¼ oz 016	14	9ea	7	2ea	30	0		
		½ oz 015	26	3ea	12	9½ea	53	0		
		1 oz 014	42	0ea	20	6ea	65	0		
		2 oz 013	75	0ea	36	6ea	150	0		
	handbag coffret	.. SE	15	9ea	7	8ea	32	0		
	"Secret de Venus" bath oil									
		½ oz 060B	20	9ea	10	1ea	42	0		
		1 oz 061	37	6ea	18	3ea	75	0		
		2 oz 062	67	6ea	32	11ea	135	0		
		4 oz 063	127	6ea	62	2ea	255	0		
	bobine ..	single 060	4	3ea	2	0½ea	6	6		
	bobines	12 060	50	0ea	24	4½ea	102	0		
Chlormytol (938 PD)										
	ointment 5 gm ..		68	0	..	..	6	6	TS	
	15 gm ..		172	0	..	..	21	6	TS	
Chloromycetin (938 PD)										
	capsules 0·25 gm ..	12	162	0	..	..	20	3	TS	
		100	107	2ea		..	160	9	TS	
		500	519	4ea		..	779	0	TS	
		1000	1034	10ea		..	1552	3	TS	
	cream	tube	40	0	..	..	5	0	TS	
		jar	240	0	..	..	30	0	TS	
	ear drops ..	5 mils	62	0	..	..	7	9	TS	
		100 mils	63	0ea		..	94	6	TS	
	endotonic compound									
	cartridge		90	0	..	..	11	3	TS	
	hydrocortisone ophthalmic									
		5 mils	84	0	..	..	10	6	TS	
	ointment ..	tube	50	0	..	..	6	3	TS	
	intramuscular ..	2 gm	134	0	..	..	16	9	TS	
	intravenous	6 × 0·5 gm	180	0	..	..	22	6	TS	
	ophthalmic	25 mgm vial	42	0	..	..	5	3	TS	
	Aplicaps 1%	.. 50	76	0	..	..	9	6	TS	
		250	360	0	..	..	45	0	TS	
	palmitate ..	60 mils	122	0	..	..	15	3	TS	
	pure	5 gm	244	0	..	..	30	6	TS	
		25 gm	100	2ea		..	150	3	TS	
		100 gm	373	8ea		..	560	6	TS	
	succinate ..	1 gm	130	0	..	..	16	3	TS	
	suppositories ..	.. 6	120	0	..	..	15	0	TS	
	topical 5% ..	15 mils	84	0	..	..	10	6	TS	
Colchipirine (292 C)										
	tablets	dp 400	227	4	..	..			†s7	
		dp 1000	575	4	..	..			†s7	
Coldrex (976 PS&T) ..		24	41	8	10	5	5	6		
Comba-Curler (888 Newey)			10	3	2	6½	1	6		
Conotrane (1305 WB)										
	silicone cream ..	60 gm	60	0	..	..	7	6		
		200 gm	144	0	..	..	16	0		
		500 gm	25	0ea		..	37	6		
Corangil (37 Allied)										
	tablets	.. 50	8	3ea		..	12	4	†s1	
		250	35	10ea		..	53	9	†s1	
		1000	129	6ea		..	194	3	†s1	
Cordex (1263 Upjohn)										
	tablets	.. 100	7	7ea		..			TS	
		500	29	6ea		..			TS	
	forte	.. 100	14	3ea		..			TS	
		500	62	8ea		..			TS	
Cravens (316 Craven)										
	best barley sugar	.. 5 lb	13	4ea		..		10	qtr	
	best English mints	.. 5 lb	11	10½ea		..		9	qtr	
	blackcurrant aniseed	5 lb	14	2ea		..		10½	qtr	
	blackcurrant pastilles	½ lb	10	3		..	1	0	qtr	
		6 lb	19	8ea		..	1	0	qtr	
	Blix licorice pastilles ..	6 lb	16	0ea		..		10	qtr	
	crystal mints ..	.. 4 lb	10	8ea		..		10	qtr	
	glucose lemon barley ..	5 lb	11	10½ea		..		9	qtr	
	menthol and									
	eucalyptus BPC ..	5 lb	16	5ea		..	1	0	qtr	
Creme Simon (317 CS)										
	Nucia	jar	45	0	22	6	7	6		
Delete Crookes (324 Crookes) B-complex elixir all sizes										
Cryogenine (49 AF)										
	tablets, 0.25 gm ..	10	20	0	5	0	2	6		
Cuir de Russie (247 Chanel)										
	soap toilet		20	8	5	2	3	0		
	bath		37	10	9	6	5	6		
	talcum	..6902	6	2ea	3	1ea	13	0		
Cumfy-Socks (1075 R) ..			15	0		9	1	11		
Cussons (388 Cussons)										
	imperial leather hair cream	5480	14	0	6	10	2	6		
Cutipen (327 WC) ..			19	0	9	6	3	3		
refill			10	6	5	3	1	9		
Cyphoids (1152 SK) ..			4	6	1	1		7½		
			9	0	2	3	1	3		
Daranide (837 MSD)										
	tablets 50 mgm ..	100	40	0ea		..	60	0		
Delete Dascote (1262 UL) ..		16								
		28								
Decadron (837 MSD)										
	tablets enteric coated									
	0·5 mgm	100	792	0	..	..	99	0		
		500	3774	0	..	..	471	9		
Deep (102 CB) treatment shampoo		tube	48	0	12	0	6	9		

Delta-Butazolidin (501 Geigy)
tablets .. .. .. 150 570 0 .. .. 71 3 †s4ATS
500 1740 0 .. .. 217 6 †s4ATS
Dento (219 Calvert) .. 10 8 2 8 1 5
Dequadin (34 A & H)
tulle 4 × 4 in. .. 10 44 0 .. .. 5 6
36 89 0 .. .. 11 1½
Desert Flower (1131 Shulton)
dusting powder .. 77 0 37 6 13 6
hand and body lotion 44 6 21 8 7 9
dispenser 92 6 45 1 16 6
purse perfume 70 0 34 2 12 6
spray cologne 128 0 62 5 22 6
talcum powder .. 37 0 18 0 6 6
toilet water 70 0 34 2 12 6
Dexten (70 Aspro) .. 250 210 0 .. .. 26 3 †s4B
Dimyril (502 Genatosan)
linctus .. .. .. 2 oz 29 0 7 4 4 3
4 oz 50 0 12 8 7 3
Dinneford's (104 BP) magnesia 19 8 4 11 2 6
Discord (876 MP) .. 13 6 6 9 2 3
Distaval (378 DCBL)
tablets forte 100 mgm 1000 204 0ea .. 306 0 †s4B
Distavone (378 DCBL)
vet. vial .. ..75 mils 46 6ea .. 69 6 †TSVPO
Distivit (378 DCBL)
20 elixir .. 4 oz 3 0ea .. 4 6
1000 tablets .. .. 4 6 0ea .. 9 0
Donnazyme (1071 Robins)
tablets .. .. .. 50 122 0 30 6 14 6½ †s1s4A
500 1020 0 255 0 121 3 †s1s4A
Dorothy Gray (385 DG)
propelling eyeliner .. 72 0 36 0 12 0
refill 27 0 13 6 4 6
Dulcolax (154 B)
suppositories 10 mgm 6 25 0 .. .. 3 1½
50 150 0 .. .. 18 9
200 47 6ea .. 71 3
tablets 5 mgm .. 30 25 0 .. .. 3 1½
200 130 0 .. .. 16 3
1000 51 6ea .. 77 3
Duromorph (718 LAB)
ampoules 1·1 mil .. 6 81 0 .. .. 9 0 DD
Ekco (1377 Ekco)
Ekcostat control 32 6
Elastoplast (1155 S&N)
first aid dressings
3 × ⅞ in 100 11400 114 0 .. .. 13 3
waterproof
3 × ⅞ in 100 12400 114 0 .. .. 13 3
airstrip
3 × ⅞ in 100 14400 171 0 .. .. 20 0
Emir (350 Dana)
perfume .. ..trial 45 0 22 3 7 6
129A 6 3ea 3 1ea 12 6
129V 10 6ea 5 2ea 21 0
toilet soap (3) 508 6 0ea 1 6ea 10 6
Enavid (1121 Searle)
tablets 10 mgm .. 20 31 0ea .. 46 6 †s4B
50 69 10ea .. 104 9 †s4B
250 323 3ea .. 484 10 †s4B
Endoxana (1305 WB)
tablets 50 mgm .. 50 22 0ea .. 33 0 †s1s4A
250 100 0ea .. 150 0 †s1s4A
vials 100 mgm .. 10 40 0ea .. 60 0 †s1s4A
200 mgm .. 10 53 4ea .. 80 0 †s1s4A
Energen (421 Energen)
low sugar jams
strawberry .. .. ½ lb 15 0 .. .. 1 8
1 lb 24 9 .. .. 2 9
plum .. .. ½ lb 13 6 .. .. 1 6
1 lb 22 6 .. .. 2 6
orange marmalade .. ½ lb 13 6 .. .. 1 6
1 lb 20 3 .. .. 2 3
Eno's (104 BP) Fruit Salt 24 0 6 0 3 0
42 8 10 8 5 4
Eskornade (1153 SKF)
Spansule .. .. .. 30 128 0 32 0 18 8 †s7
Esslim (1158 Sodastream)
squash 2 0
Evan Williams (437 EW)
skin cream 7 6 3 9 1 3
12 9 6 4½ 2 2
Fashion Style (631 Hudnut)
soft casual 202 33 6 16 9 5 6
200 53 6 26 9 8 9
very curly 203 33 6 16 9 5 6
201 53 6 26 9 8 9
for children 998 29 6 14 9 4 9
Feather Finish (1355 Yardley)
Florentine case ..1402 69 0 34 6 11 6
Delete Felicur (1107 SAGB)
(distributors 973 Pharmethicals)
capsules 1000
Fennings (1100 JS)
baby dusting powder .. 14 6 3 7½ 1 11
cooling powders children's
5 45 0 11 3 6
gross gross
20 14 6 3 7½ 1 11
100 69 6 17 4½ 1½
little healers 36 12 6 3 1½ 1 8
90 29 0 7 3 3 10
12 60 0 15 0 8
gross gross
Fibrenyle (461 FL) throat spray 9 3 .. .. 1 2
Flair (1355 Yardley)
bath oil 4866 75 0 37 6 12 6
dusting powder ..4809 93 0 46 6 15 6
Cologne 4884 69 0 34 6 11 6
4885 126 0 63 0 21 0
crystallised 4870 45 0 22 6 7 6
perfume 4890 75 0 37 6 12 6
½ oz 4892 165 0 82 6 27 6
1 oz 4893 270 0 135 0 45 0
soap 4862 21 0 5 3 2 9
spray mist 4847 87 0 43 6 14 6
Flavelix (466 FF) linctus 4 oz 28 0 7 0 4 1 †s7
20 oz 100 0 .. .. †s7
80 oz 30 0ea .. †s7
Floidam (900 Norton)
lotion .. .. .. 3 oz 39 0 19 6 6 6
5½ oz 66 0 33 0 11 0
Floidam Tan (900 Norton)
3 oz 57 0 28 6 9 6
5½ oz 105 0 52 6 17 6
Flurymal (1107 SAGB)
(distributors 973 Pharmethicals)
pessaries .. .. 6 84 0 .. .. 10 6 TS
50 52 0ea .. 78 0 TS
Delete Formula 21 (539 Greenwood)
Formula 21 (104 BP) 7-day 81 7 .. .. 8 6
21-day 201 7 .. .. 21 0
Fracas (Piguet (1201 Supervite))
bath oil .. .. ⅓ oz 13 0ea 6 6ea 26 9
Francocide (208 BW) vet
injection 400 mils .. 225 0 .. .. 25 0 VSO
Freshman (876 MP)
aftershave 21 0 10 6 3 6
Gone Tan 33 0 16 6 5 6
hairfix 15 0 7 6 2 6
refill 7 6 3 9 1 3
aerosol 45 0 22 6 7 6
shampoo 17 0 4 3 2 6
sponge-on deodorant .. 31 0 7 9 4 6
refill 13 6 3 4½ 2 0
talcum 21 0 10 6 3 6
Froidex (787 Macfarlan)
anti-freeze .. ½ gall 147 0 .. .. 16 0
1 gall 282 0 .. .. 30 6
Fru-vita (690 Keldon) .. 28 9 .. .. 3 0
Delete Genozo (502 Genatosan) tooth-paste
Furamide (143 Boots)
tablets 15 69 0 17 0 10 0
.. .. 250 76 7ea 19 1½ea 134 0
Fynnon (104 BP) balm .. 25 10 6 5½ 3 5
salt .. 23 4 5 10 3 0
Gamgee (1073 Robinsou) tissue
blue label BPC .. 2 oz 7 3½lb .. 1 3
4 oz 6 8½lb .. 2 3
8 oz 6 4½lb .. 4 3
16 oz 6 1½lb .. 8 2
pink label NHS No. 3 2 oz 5 10 lb .. 1 0
4 oz 5 3½lb .. 1 9
8 oz 4 10½lb .. 3 3
16 oz 4 7½lb .. 6 2
Germolene (104 BP) .. 35 5 .. 8 10½ 4 6
Germoloids (104 BP) .. 23 4 5 10 3 0
Germoplast (104 BP) .. 7 10 .. .. 10½
15 8 .. .. 1 9
Gestanin (917 Organon)
tablets 5 mgm .. 30 18 6ea .. 27 9
100 52 0ea .. 78 0
Glo (876 MP) 13 6 6 9 2 3
Glow-Pot (1126 Servis) .. 38 9 .. .. 4 9
Glycoids (1152 SK) .. 9 0 2 3 1 3
Gon (1305 WB) tablets .. 27 0 .. .. 3 0
Gossamer (164 Brandt) eyelashes 60 0 .. .. 7 6
Goya (532 Goya)
perfume cologne spray
aerosol 30 57 6 28 0 9 6
cedar wood cologne for men 45 3 22 1 7 6
pre-electric shave lotion 33 3 16 3 5 6
soap 11 6 2 10 1 6
Heath & Heather (588 H&H)
dandelion coffee .. ½ lb 38 0 .. .. 4 3
1 lb 68 0 .. .. 7 6
essence .. .. 247 34 0 .. .. 3 9
slippery elm food .. ½ lb 20 0 .. .. 2 2
1 lb 38 0 .. .. 4 3
2 lb 68 0 .. .. 7 6
unmalted .. .. 1 lb 38 0 .. .. 4 3
wholemeal malted .. 1 lb 38 0 .. .. 4 3
Helena Rubinstein (596 HR)
liquid eye liner 9 6
red sable brush 5 6
Hemotabs (634 GH) .. 12 22 9 5 8½ 3 0
H.F. (AS & CO)
after-shave lotion .. 18 0 8 6 3 6
bay rum 18 0 8 6 3 6
brilliantine 18 0 8 6 3 6
dandruff shampoo .. 18 0 4 3 3 3
hair cream 18 0 8 6 3 6
pre-shave 18 0 8 6 3 6
Hide-It (876 MP) .. 10 6 2 7½ 1 6
Humatin (938 PD) capsules 16 40 0ea .. 60 0 TS
100 243 4ea .. 365 0 TS
Hydratene (276 C&C)
tablets .. .. 25 30 0 .. .. 3 9 †
250 160 0 .. .. 18 6 †
Ilosone (413 Lilly)
Pulvules 125 mgm .. 24 21 0ea .. 31 6 TS
100 86 4ea .. 129 6 TS
500 417 0ea .. 625 6 TS
250 mgm .. 12 20 4ea .. 30 6 TS
100 167 2ea .. 250 9 TS
500 812 6ea .. 1218 9 TS
Immac (655 ICC)
hair removing cream .. 44 2 22 1 7 0



AFTER SHAVE LOTION 8/-

MARK VARDY has what it takes!

County Laboratories—largest manufacturers of toilet preparations in the United Kingdom—announce the introduction of a new luxury range of toilet preparations for Men . . .

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- it's priced to sell
- it's backed by the biggest-ever advertising and promotion!

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COUNTY LABORATORIES LIMITED. Sole Agents for Mark Vardy Ltd., Great West Road, Brentford, Middlesex. ISLeworth 4171



GLUCODIN

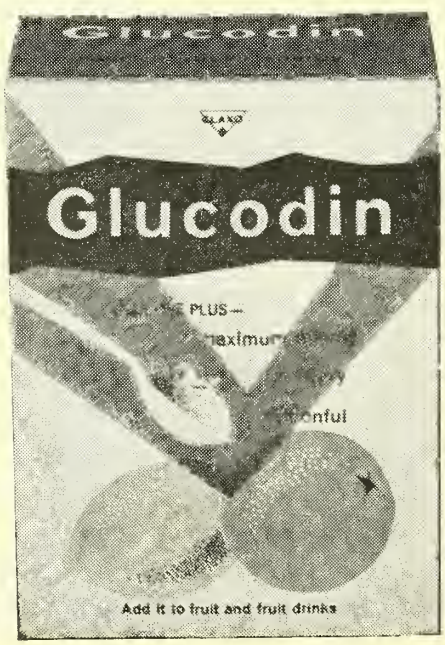
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need for energy



In feverish conditions Glucodin provides extra energy without extra strain on the digestion. Glucodin is most acceptable in fruit squashes, cold drinks, sprinkled on cereals, or taken in any hot beverage in place of sugar.

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* added vitamin D. calcium and phosphorus
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GREENFORD MIDDLESEX
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GLAXO



Infurno (232 Carter)
massage cream 1½ oz 18 0 4 6 3 0
Insulex (658 Insulex)
ice bowl 22 0ea 2 7ea 35 6
I-So-Gel (34 A & H) 200 gm 56 0 14 0 7 8
Jane Seymour (665 JS)
wonder cream .. 7 0 3 6 1 2
12 0 6 0 2 0
Jeypeat (671 Jeyes) compound
trial 24 0 .. .. 3 0
pack of 8 29 4 .. .. 5 6
pack of 4 27 4 .. .. 10 3
sack 24 0ea .. 36 0
Johnsons (672 Johnson)
baby suds .. .. 17 3 .. .. 1 11
Kodak (711 Kodak)
Brownie Cresta 3 camera 292 0 73 0 42 7
plastic case 925 64 0 16 0 9 4
Kristina (996 PR&D) rollaway 18 9ea 9 4½ea 37 6
Kruschen (634 GH) salts 12 8 3 2 1 8
22 5 5 7½ 2 11
Ladye Jane (735 Laughton)
curlers 20/3 10 3 2 6 1 6
hair pins 2 in .. 83/90 82 0 20 6 1 0
gross gross
Ledermycin (746 Lederle)
drops .. .. 10 mils 7 4ea .. 11 0 TS
syrup .. .. .. 2 oz 10 10ea .. 16 3 TS
16 oz 78 0ea .. 117 0 TS
Lenilax (1152 SK) .. 12 0 3 0 1 9
Lion (205 Burgess)
olntment .. 1¼ oz 15 0 3 9 2 0
3 oz 33 0 8 3 4 3
Lip-Slik (876 MP) 10 6 5 3 1 9
Litto (1282 VB)
Cremard ointment .. 20 0 5 0 3 0
Patchoid lotion .. 52 0 13 0 7 11
Sebacoid lotion .. 23 8 5 11 3 5
38 8 9 8 5 9
special for dry hair .. 13 4 6 8 2 4
22 0 11 0 4 0
38 8 19 4 6 10
standard for olly hair 13 4 6 8 2 4
22 0 11 0 4 0
38 8 19 4 6 10
Tintas colour restorer 22 0 11 0 4 0
Magnoids (1152 SK) .. 12 0 3 0 1 9
Margo's (798 Margolls)
baby powder 7 2 1 9½ 1 3
8 oz 12 6 3 1½ 2 0
hair lacquer spray bottle
2½ oz 11 0 5 6 2 0
Mark Vardy (303 County)
after shave lotion .. 51 0 25 6 8 0
cream foam shave .. 62 8 15 8 8 6
deodorant Cologne .. 55 10 27 11 8 9
pre-electric shave lotion 55 10 27 11 8 9
talcum puffer pack .. 48 0 24 0 7 6
Maw's (810 Maw)
lanoline cream tube 438.00 8 7 4 3½ 1 6
jar 438.01 24 9 12 4½ 4 6
baby pants
nylon, lace covered, "Sunday" 44 0 .. .. 5 6
polythene feeder 4 oz 303.13 37 8 .. .. 2 6
Mentholatum (836 Mentholatum)
deep heat rub 50 0 12 6 6 9
Metamsustac (972 Pharmax)
tablets 7½ mgm .. 30 4 1½ea .. †s4B
250 31 0ea †s4B
15 mgm .. 30 4 10½ea .. †s4B
250 37 0ea †s4B
Metercal (826 MJ) .. 71 0 .. .. 8 6
Miners (876 MP)
hair lacquer 13 6 6 9 2 3
refill .. 7 6 3 9 1 3
lipstick 9 0 4 6 1 6
lipstick/nail lacquer duo 18 0 9 0 3 0
mascara autobrush .. 21 0 10 6 3 6
block .. 9 0 4 6 1 6
nail lacquer 9 0 4 6 1 6
frosted .. 15 0 7 6 2 6
remover .. 7 6 3 9 1 3
shadow combo .. 9 0 4 6 1 6
stick make-up .. 9 0 4 6 1 6
super liner 9 0 4 6 1 6
talcum 15 0 7 6 2 6
Monastery (856 MH)
(distributors 634 GH)
herbs 10 8 2 8 1 5
24 7 6 1½ 3 3
Morny (862 Morny)
luxury mist
Blue Carnation, Pink Lilac, Sandalwood, French Fern, June Roses, Lily of the Valley, Gardenia 15 0
Mos-tox (814 M&B) size 1 40 0 .. .. 4 0
size 2 52 0 .. .. 6 6
Mum (1113 S&B) for men 34 0 17 0 5 6
Mylodex 1 (195 Brook Parker)
tablets .. .. .. 100 3 0ea ..
Mysteclin F (1176 Squibb)
paediatric .. ..10 mils 8 1ea .. 12 1½ TS
syrup .. ..60 mils 12 0ea .. 18 0 TS
My Tan (467 Fleet)
(distributors 128 Biometica)
after shave lotion .. 90 0 45 0 15 0
Neo-Medrone Veriderm (1263 Upjohn)
5 gm 7 0ea .. .. TS
Neostol (49 AF)
tablets .. .. .. 100 150 0 .. .. 16 8 †s4A

Neron (1274 VDL)
plastic de luxe lampstand 25 0
Theratherm infra red lamp .. .. .. 21 6 MC
Ultra Vitalux irradiator .. .. .. 98 6 MC
New-Skin (104 BP) .. 20 3 .. .. 2 3
Nicotex (797 MSG)
nicotine stain remover 22 0 11 0 3 6
Nikini (1073 Robinson)
sanitary garment .. 60 0 3 0 6 11
pads .. .. 12 11 3 .. .. 1 3
Nivea (1155 S&N)
Delete sunfilta cream
Delete sunspray oil aerosol
Sunea sun filter creme 344 10 6 5 3 1 9
346 16 6 8 3 2 9
sun tan oil 343 70 0 35 0 11 5
Noir (Weil) (960 ADP)
eau parfumee .. 2 oz 080 9 6ea 4 7½ea 19 6
4 oz 081 16 6ea 8 0½ea 33 6
8 oz 082 26 3ea 12 9½ea 52 6
16 oz 083 46 3ea 22 6ea 92 6
perfume handbag .. 017 7 9ea 3 9ea 16 0
¼ oz 016 14 9ea 7 2ea 30 0
½ oz 015 26 3ea 12 9½ea 53 0
1 oz 014 42 0ea 20 6ea 85 0
2 oz 013 75 0ea 36 6ea 150 0
handbag coffret .. SE 15 9ea 7 8ea 32 0
"Secret de Venus" bath oil
½ oz 060B 20 9ea 10 1ea 42 0
1 oz 061 37 6ea 18 3ea 75 0
2 oz 062 67 6ea 32 11ea 135 0
4 oz 063 127 6ea 62 2ea 255 0
boblne .. single 060 4 3ea 2 0½ea 8 6
boblnes .. 12 060 50 0ea 24 4½ea 102 0
Norvex (325 CRC)
sanitary towels size 0 18 6 .. .. 2 0
1 19 11 .. .. 2 3
2 22 11 .. .. 2 6
3 28 0 .. .. 3 1
4 34 6 .. .. 3 9
soluble .. .. 18 5 .. .. 2 0
Nulon (1037 Reckitt)
hand cream B.. .. 16 0 7 9½ 2 6
Nycets (992 P&C) pastilles 20 0 .. .. 2 6
Old Spice (1131 Shulton)
after shave lotion travel pack .. 371PM 43 0 21 0 7 6
body talcum
travel pack 393PM 35 0 17 1 6 2
Pabalate (1071 Robins)
tablets with hydrocortisone 500 2608 0 396 0 380 4 TS
Padisha (Weil) (960 ADP)
eau parfumee .. 2 oz 080 9 6ea 4 7½ea 19 6
4 oz 081 16 6ea 8 0½ea 33 6
8 oz 082 26 3ea 12 9½ea 52 6
16 oz 083 46 3ea 22 6ea 92 6
perfume handbag .. 017 7 9ea 3 9ea 16 0
¼ oz 016 14 9ea 7 2ea 30 0
½ oz 015 26 3ea 12 9½ea 53 0
1 oz 014 42 0ea 20 6ea 85 0
2 oz 013 75 0ea 36 6ea 150 0
handbag coffret .. SE 15 9ea 7 8ea 32 0
"Secret de Venus" bath oil
½ oz 060B 20 9ea 10 1ea 42 0
1 oz 061 37 6ea 18 3ea 75 0
2 oz 062 67 6ea 32 11ea 135 0
4 oz 063 127 6ea 62 2ea 255 0
bobine .. single 060 4 3ea 2 0½ea 8 6
bobines .. 12 060 50 0ea 24 4½ea 102 0
Pal (438 ER)
razor set 47 8 11 11 6 10
Panets (1305 WB) tablets 16 18 9 .. .. 2 1
Papaverine (708 Knoll)
tablets .. .. .. 20 2 6ea .. 3 4
250 22 9ea .. 30 4
Parabal (1320 WP)
tablets .. .. .. 100 90 0 22 6 13 2 †s1s4A
500 330 0 82 6 48 2 †s1s4A
Pargonyl (1087 Roussel)
capsules 250 mgm .. 16 40 0ea .. 60 0 TS
Parnate (1153 SKF) tablets 50 14 4ea 3 7ea 25 1 †s4B
500 142 0ea 35 6ea †s4B
Parstelin (1153 SKF)
tablets .. .. .. 50 20 0ea 5 0ea 35 0 †s4B
500 190 0ea 47 6ea †s4B
PAS (572 HC) sodium tablets
enteric coating 0·5 gm 500 14 10ea .. 19 9
1000 27 9ea .. 37 0
sugar/enteric coating 0.5 gm
500 15 0ea .. 20 0
1000 28 0ea .. 37 4
enteric coating 0·75 gm 500 19 9ea .. 26 4
1000 37 6ea .. 50 0
Pasinah 6 PH (1303 Wander)
PAS sodium
1·67 gm+33·3 mgm INAH
180 34 10ea .. 52 3 TS
540 96 0ea .. 144 0 TS
Penicillin-V (413 Lilly)
potassium syrup 60 mils 5 0ea .. 7 6 TS
Penotrane (1305 WB)
pessaries .. .. 15 84 0 .. .. 10 6 ‡
strong pessaries .. 15 96 0 .. .. 12 0 ‡
100 480 0 .. .. 60 0 ‡
Persomnia (70 Aspro)
tablets 12 17 10 4 5½ 2 6
27 35 8 8 11 5 0
Delete 100
Delete 250

Pethidine (394 Duncan)
tablets, 25 mgm .. 100 38 0 .. .. 4 9 plslDD
500 168 0 .. .. 21 0 plslDD
50 mgm .. 100 72 0 .. .. 9 0 plslDD
500 330 0 .. .. 41 3 plslDD

Pethidine (1074 Roche)
tablets 25 mgm .. 100 38 0 .. .. 4 9 p1s1DD
500 168 0 .. .. 21 0 p1s1DD
50 mgm .. 100 72 0 .. .. 9 0 p1s1DD
500 330 0 .. .. 41 3 p1s1DD

Phensic (104 BP) .. 15 0 3 9 1 11
31 2 7 9½ 4 0

Phosferine (104 BP)
liquid 15 0 3 9 1 11
33 0 8 3 4 3
tablets 15 0 3 9 1 11
33 0 8 3 4 3

Phyllosan (104 BP) .. 34 10 .. .. 3 9
55 9 .. .. 6 0
116 3 .. .. 12 6

Pifco (983 Pifco)
infra-red lamp ..1020 53 3ea 13 0ea 84 0
vibratory massager 1056 47 7ea 11 7ea 75 0

Pin Quick (631 Hudnut) 28 2 14 1 4 7

Delete Pitressin (938 PD) ampoules 0·5 mil 100

Placentubex (451 F&J) 195 0 97 6 32 6

Plastabook (1247 TDC)
first aid dressings 2½ doz 50 0 .. .. 2 6

Platine (350 Dana)
perfume .. .. trial 45 0 22 3 7 6
120A 6 3ea 3 1ea 12 6
120V 10 6ea 5 2ea 21 0

Ponds (256 CPL)
cold cream tube 12 8 6 4 2 0
Delete tube 10 6 5 3 1 8
Delete tube 15 10 7 1 2 6
flowing cold cream .. 23 8 11 10 3 9
vanishing cream tube 12 8 6 4 2 0
Delete tube 10 6 5 3 1 8
Delete tube 15 10 7 1 2 6

Pretty Quick (1240 Tokalon)
(distributors 327 WC)
eye shadow 6 6 3 3 1 0
mascara and pencil sets 13 0 6 6 2 0

Pride (487 Furman)
hair lacquer spray .. 21 6 10 9 3 9

Primoids (1152 SK) .. 9 0 2 3 1 3

Pro (721 LC) toothbrushes
adult .. .. .. 20 0 .. .. 2 6
child .. .. .. 12 0 .. .. 1 6

Quantril (1248 Trevena)
capsules .. .. 25 62 0 .. .. 7 9

Radian-A (1023 Radiol)
Delete 1½ oz
Delete 3 oz
2 oz 37 0 9 3 4 11

Radiol (1023 Radiol)
liniment horses and dogs
½ gall 35 0ea 8 9ea 55 6
1 gall 65 0ea 16 3ea 103 0
leg wash powders .. 6 26 0 6 6 3 6 p1

Rastinon (621 Horlicks)
tablets .. .. .. 100 21 0ea .. †s4B
500 99 0ea .. †s4B

Redclo (1215 Teasdale) lozenges
linseed, licorice & chlorodyne 1 8 5⅝ 3
4 lb 2 8lb 9½lb 5 0

Roberts Windsor (1070 Windsor)
Hi-White family pack 5050 154 0 .. .. 1 3
gross

Robinson's (285 Colman)
Delete Sicilian lemon juice 12½ oz
25 oz
high protein cereal .. 19 3 .. .. 2 0

Robitussin (1071 Robins)
80 oz 1080 0 270 0 157 6 †s4B

Rolleiflex (637 Hunter) camera
with f/2.8F Zeiss Planar lens 1695 8ea 413 7ea 2957 1
with f/2.8F Xenotar lens 1580 2ea 385 2ea 2755 6
ever ready case .. 80 8ea 19 8ea 140 8
camera with 3.5F Planar lens 1463 2ea 356 8ea 2551 6
with 3.5F Xenotar lens 1344 0ea 327 7ea 2343 9
ever ready case .. 77 4ea 18 10ea 134 10
T camera with Tessar f/3.5
lens and meter 1124 8ea 274 2ea 1961 2
without meter 959 4ea 233 10ea 1673 0
ever ready case .. 75 8ea 18 5ea 131 11
Delete camera with 2.8E2 Planar lens
Delete camera with 2.8E2 Xenotar lens

Rolleiflex-Tele (637 Hunter)
meter 165 6ea 40 4ea 288 8
camera case 95 0ea 23 2ea 165 8

Delete Sandosten (1098 Sandoz) all products

Scholl's (Dr.) (1108 SMC)
anti-pressure pad .. 12 0 .. .. 1 6
bath cubes pine (6) .. 15 0 7 6 2 6
heel grip (pair) .. 6 8 4 10½

Selvigon (1153 SKF)
syrup .. .. .. 3 oz 60 0 15 0 8 9
tablets 30 72 0 18 0 10 6

Sheer Bliss (876 MP) 12 0 6 0 2 0

Shurzine (1133 Shurzine)
ointment 14 0 3 6 2 0

Si Bon (150 Bourjois)
bath crystals 9223 83 0 41 6 14 6
cubes (6) 9224 34 8 17 4 6 0
dusting powder ..9226 77 0 38 6 13 6
soap toilet (3) 9227 46 6 11 7½ 6 9
talcum 9225 37 2 18 7 6 6

Silbephylline (1138 Silten)
suppositories .. .. 6 41 0 .. .. 4 7
50 240 0 .. .. 26 8
tablets .. .. ..1000 1224 0 .. .. 136 0

Silvikrin (303 County)
hair cream 12 9 6 4½ 2 0
19 2 9 7 3 0
hair dressing 18 1 9 0½ 2 10
28 8 14 4 4 6
hair tonic 18 1 9 0½ 2 10
28 8 14 4 4 6
pure 79 10 39 11 12 6

Simocitron (317 CS) .. 27 0 13 6 4 6
42 0 21 0 7 0

Simpkin's (1141 Simpkin)
glucose pastilles
blackcurrant and glycerin
2 oz 12 0 .. .. 1 6
glycerine, lemon and honey
2 oz 12 0 .. .. 1 6
medicated pastilles
antiseptic blackcurrant 12 0 3 0 1 9
bronchial 12 0 3 0 1 9
Bronco-Pines .. 13 6 3 5 2 0
cherry linctus .. 12 0 3 0 1 9
Dilly Duckling .. 12 0 3 0 1 9
glycerine of thymol 12 0 3 0 1 9
T.C.L. 12 0 3 0 1 9

Skenna (1152 SK) pastilles 9 0 2 3 1 3

Skin Life (596 HR) mask 32 6

Smith Kendon (1152 SK)
lozenges
bismuth co., BPC .. 16 6 4 1 2 3
Brompton .. 12 0 3 0 1 9
bronchial 12 0 3 0 1 9
cinnamon 12 0 3 0 1 9
formalin 12 0 3 0 1 9
formalin menthol and
cinnamon .. 12 0 3 0 1 9
glucose .. .. 10 6 .. .. 1 3
iodised throat .. 12 0 3 0 1 9
linseed, liquorice and
chlorodyne .. 12 0 3 0 1 9
sulphur 12 0 3 0 1 9

Smoothie (876 MP) 15 0 7 6 2 6

Smooth Touch (385 DG)
hand lotion 57 0 28 6 9 6

Softies (1389 Velvet)
3-ply hankies 16 47 0 6
gross

Spa (1167 Spa) sets ladies
Rosalind 65 6 16 4 9 6

Sparklets (183 BOC)
syphons De Luxe .. 867 0 105 8 105 0
Globemaster 927 0 113 0 112 6
Hostmaster .. 618 0 75 4 75 0

Sparkling Spa (450 Farthing)
formula 3 .. .. 21 0 5 3 3 6

Spontex (1174 Sponcel)
car sponge ex/large .. C/2 40 7 10 1¼ 5 11

Sporostacin (922 Ortho)
cream with applicator 180 0 40 0 25 10
tube only .. 160 0 40 0 23 4

Sporti IV (645 Ilford) camera 342 0 86 0 49 8
case 120 0 30 0 17 5

Spree (955 Pepsodent)
fruit squash sachet .. 29 3 3
gross

Steiner (1188 Steiner)
hand milk tube .. 21 0 10 6 3 6

Stelabid (1153 SKF)
tablets .. .. .. 30 144 0 36 0 21 0 †s4B
250 95 0ea 23 9ea 166 3 †s4B

Steradent (1037 Reckitt) 28 0 6 10 3 9

Sterispon (34 A&H) gelatin sponge
No. 2 20×10×0·1 cm 1 100 0 .. .. 12 6
No. 4 10×10×0·5 cm 6 46 4ea .. 69 9

Stratton (735 Laughton)
Empress Lipview 277/EMB 21 0

Streptotriad (971 P&MB)
granules for 1½ oz .. 56 0 .. .. 7 0 p1s4B
tablets .. .. .. 25 66 0 .. .. 8 3 p1s4B
100 230 0 .. .. 28 9 p1s4B
500 1020 0 .. .. 127 6 p1s4B

Styptol (708 Knoll)
tablets 20 36 0 9 0 4 9 s1
200 25 6ea 6 4½ea 40 4½ s1

Sunset (1205 S & C)
electric blankets
Little Gem 44 2ea 10 9ea 72 9
Double Gem .. 58 8ea 14 4ea 96 8
type SS 53 5ea 13 0ea 88 0
DS 70 8ea 17 3ea 116 6
D3 .. .. 73 2ea 17 10ea 120 6
VR1 .. .. 64 10ea 15 10ea 106 10
VR2 .. .. 87 8ea 21 5ea 144 5
VR3 .. .. 90 1ea 22 0ea 148 6
HS/3 .. .. 83 4ea 20 4ea 137 4
HD/3 .. .. 105 2ea 25 8ea 173 2

Suntax (324 Crookes) vet
100 mils 264 0 .. .. 33 0

Swandown (1218 HT)
trio pack .. 12 4 6 2 2 1

Sylvia (339 CG)
sanitary towels, size 0 20 0 .. .. 2 2
size 1 10 11 .. .. 1 2½
21 6 .. .. 2 4
size 2 25 3 .. .. 2 9
size 3 31 3 .. .. 3 5

Tabloid (208 BW)									
cyclobarbitone gr 3	.. 100	54	0	..	..	6	9	†s1s4A	
	500	226	0	..	..	28	3	†s1s4A	
	1000	432	0	..	..	54	0	†s1s4A	
	5000	2120	0	..	..	265	0	†s1s4A	
pethidine HCl 25 mgm	100	38	0	..	..	4	9	†s1DD	
	500	168	0	..	..	21	0	†s1DD	
50 mgm	100	72	0	..	..	9	0	†s1DD	
	500	330	0	..	..	41	3	†s1DD	
Delete thyroid gr 1	500								
Tabu (350 Dana)									
perfume ..	.. trial	45	0	22	3	7	6		
	104A	6	3ea	3	1ea	12	6		
	104V	10	6ea	5	2ea	21	0		
toilet soap (3) ..	.. 500	6	0ea	1	6ea	10	6		
Tace (838 MN) tablets	.. 30	164	0	..	..	20	6	†s4B	
	100	504	0	..	..	63	0	†s4B	
Tan (388 Cussons)	5481	49	9	24	3	8	6		
Tanderil (501 Geigy)									
tablets 100 mgm	.. 50	14	0ea	3	6ea	24	6	†s1s4A	
	250	65	8ea	16	5ea	114	11	†s1s4A	
	1000	256	9ea	64	2½ea	449	4	†s1s4A	
Taractan (1074 Roche)									
ampoules 30 mgm	.. 6	74	0	18	6	10	9½		
	50	43	4ea	10	10ea	75	10		
tablets 15 mgm	.. 50	90	0	22	6	13	1½		
	250	30	0ea	7	6ea	52	6		
Tetrazets (837 MSD)	.. 12	36	0	..	..	4	6	†s7	
Thermos (1226 Thermos)									
vacuum jars	607	..	..	..		28	3		
	608	..	..	..		96	1		
	620	..	..	..		47	6		
	81	..	..	..		103	2		
	82	..	..	..		136	6		
jugs	65	..	..	..		14	9		
	34	..	..	..		41	0		
	54	..	..	..		43	8		
	54Q	..	..	..		46	2		
	45	..	..	..		49	8		
	45Q	..	..	..		57	4		
	29	..	..	..		85	2		
	29Q	..	..	..		102	11		
	70	..	..	..		102	8		
Thoracin (769 LH) ointment									
1 oz		30	0	7	6	4	2		
Thram (506 Gerhardt) trial		76	0	..	..	9	6		
Tofranil (501 Geigy)									
tablets 10 mgm	.. 60	110	0	..	..	13	9	†s4B	
	250	430	0	..	..	53	9	†s4B	
	1000	1580	0	..	..	197	6	†s4B	
25 mgm	.. 50	185	0	..	..	23	1½	†s4B	
	200	710	0	..	..	88	9	†s4B	
	1000	3300	0	..	..	412	6	†s4B	
Tress (525 Golden) ..		10	0	5	0	1	8		
Tr'll (525 Golden) tube ..		15	0	7	6	2	6		
Trio (285 Colman)									
fruit squash		31	0	..	..	3	3		
Triotussic (1303 Wander)									
syrup	4 oz	60	0	15	0	8	9	†s7	
	20 oz	256	0	64	0	37	4	†s7	
tablets	50	64	0	16	0	9	4	†s7	
	250	272	0	68	0	39	8	†s7	
Trivexin (208 BW) vet									
100 mils		450	0	..	..	50	0		
Delete 250 mils									
Tycoon (705 Kirby)									
after shave lotion ..		32	0	16	0	6	0		
deodorant		32	0	16	0	6	0		
hair dressing		32	0	16	0	6	0		
medicated shampoo ..		32	0	16	0	6	0		
pre-electric shave lotion		32	0	16	0	6	0		
talcum powder ..		32	0	16	0	6	0		
presentation packs of any two		68	0	34	0	12	6		
Urelim (1305 WB)									
tablets 0·5 gm ..	100	26	0ea	6	6ea	45	6		
	500	116	8ea	29	2ea	204	2		
Uvistat (1305 WB)									
cream	50 gm	60	0	15	0	8	9		
Valderma (343 DH)									
talcum powder ..		16	5	8	2½	2	6		
Vanquin (958 PD)									
suspension	1 oz	56	0	14	0	8	2		
	16 oz	720	0	180	0	105	0		
Vaseline (256 CPL)									
medicated shampoo ..		28	10	7	2½	3	11		
Vecortenol (262 CIBA)									
(vet) 100 mgm	4 mils	11	4ea	..		17	0	TSVPO	
250 mgm	10 mils	25	10ea	..		38	9	TSVPO	
Veno's (104 BP)									
cough mixture ..		31	2	7	4½	4	0		
Viacutan (1305 WB) tulle	10	42	0	10	6	6	1½		
	30	72	0	18	0	10	6		
Delete	50								
Villescon (154 B) liquid	4 oz	58	0	14	6	8	5½		
Visa (Piguet (1201 Supervite))									
bath oil	⅓ oz	13	0ea	6	6ea	26	9		
Voltage (385 DG)									
bath essence		111	0	55	6	18	6		
concentrate		126	0	63	0	21	0		
dusting powder ..		150	0	75	0	25	0		
perfume		315	0	157	6	52	6		
Warfarin (1305 WB)									
sodium tablets 20 mgm	50	360	0	..	..	45	0		
Wet and Set (220 CALG)									
hair curling tissues ..		17	6	8	9	2	11		
Whisper (1326 Whisper)									
setting mist sachet ..		6	0	3	0	1	3		
aerosol ..		33	0	16	6	5	6		
Yaxa (261 Christy)									
perfumed deodorant stick		19	6	9	9	3	3		
perfumed roll-on ..		27	0	13	6	4	6		
refill		21	0	10	6	3	6		
Yeast-Vite (104 BP) ..		15	0	3	9	1	11		
		33	0	8	3	4	3		
Zap (1070 Windsor)									
pumice soap ..	..3000	56 gross	10	..	..				
Zenoids (1152 SK) ..		12	0	3	0	1	9		
Zibeline (Weil) (960 ADP)									
eau parfumée ..	2 oz 080	9	6ea	4	7½ea	19	6		
	4 oz 081	16	6ea	8	0½ea	33	6		
	8 oz 082	26	3ea	12	9½ea	62	6		
	16 oz 083	46	3ea	22	6ea	92	6		
perfume handbag ..	017	7	9ea	3	9ea	16	0		
	¼ oz 016	14	9ea	7	2ea	30	0		
	½ oz 015	26	3ea	12	9½ea	53	0		
	1 oz 014	42	0ea	20	6ea	85	0		
	2 oz 013	75	0ea	36	6ea	150	0		
handbag coffret ..	SE	15	9ea	7	8ea	32	0		
diffusette ..	¼ oz 016D	17	6ea	8	6ea	35	0		
	½ oz 015D	29	0ea	14	2ea	68	0		
refill	½ oz 015R	26	0ea	12	8ea	52	6		
	4 oz 012	135	0ea	65	10ea	270	0		
de luxe bottle in coffret	1 oz	90	0ea	43	10ea	180	0		
"Secret de Venus" bath oil									
	¼ oz 060B	20	9ea	10	1ea	42	0		
	1 oz 061	37	6ea	18	3ea	75	0		
	2 oz 062	67	6ea	32	11ea	135	0		
	4 oz 063	127	6ea	62	2ea	255	0		
bobine	single 060	4	3ea	2	0½ea	8	6		
bobines ..	12 060	50	0ea	24	4½ea	102	0		

AMENDMENTS TO KEY TO SUPPLIERS:

(164 Brandt)=R. BRANDT & CO. (MANUFACTURING), LTD., 25 Sheldon Road, London, N.W.2. Gladstone 9757.
(183 BOC)=BRITISH OXYGEN CO., LTD., Sparklets Works, Queen Street, London, N.17. Tottenham 0881.
(220 CALG)=C.A.L.G. ENTERPRISES, LTD., 34 Upper Brook Street, London, W.1. Hyde Park 0148.
(257 Chilton)=CHILTON ELECTRIC PRODUCTS, LTD., Hungerford, Berks. Hungerford 237.
(315 Crater)=CRATER PRODUCTS, LTD., Lower Guildford Road, Knaphill, Woking, Surrey. Brookwood 2571.
(325 CRC)=C. R. CROSSKILL & SONS, LTD., Calvert Works, Norwich. Norwich 27101.
(385 DG)=DOROTHY GRAY, LTD., 565 Kingston Road, London, S.W.20 Liberty 3471
(461 FL)=FIBRENYLE, LTD., 157 Dukes Road, London, W.3. Acorn 5073.
(467 Fleet) = FLEET LABORATORIES, LTD., 675 Mount Pleasant Road, Toronto 7, Ontario, Canada.
Delete (605 Hill's)=HILL'S BALSAM, LTD.,
(605 Hill's)=HILL'S PHARMACEUTICALS, LTD., Spring Bank Works, Nelson, Lancs. Nelson 65321.
(658 Insulex) = INSULEX, LTD., 67 Westbourne Grove, London, W.2. Park 3424.
(826 MJ)=MEAD JOHNSON, LTD., 10 Upper Grosvenor Street, London, W.1.
(861 MPC)=MORGANS POMADE CO., LTD., 122 Maidstone Road, Sidcup, Kent. Foots Cray 7878.
(996 PR&D)=PLASTIC RESEARCH AND DEVELOPMENT, LTD., 8 Park Road, London, N.W.1. Paddington 2172.
(1115 SI)=SCHICK INCORPORATED (UK), LTD., 86a Brook Street, London, W.1. Grosvenor 5559.
(1158 Sodastream)=SODASTREAM, LTD., 22 Oval Road, London, N.W.1. Gulliver 4421.
(1247 TDC) = TRICO DEVELOPMENTS CO., LTD., Great West Road, Brentford, Middlesex. Isleworth 3464.
(1248 Trevena)=TREVENA, LTD., 20 Grosvenor Place, London, S.W.1. Sloane 0676.
(1274 VDL)=V-DEVELOPMENT, LTD., 22 Clifton Road, London, W.9. Cunningham 0701.
(1326 Whisper)=WHISPER COSMETICS, 175 Bow Road, London, E.3. Advance 5546.

THIS WEEK'S CHANGES

NEW and altered entries notified for the first time.
A=Advanced. *R*=Reduced.
Entries new this week are marked thus:— ●

● **Actifed** (208 BW)									
compound linctus	.. 4 oz	48	0	..	..	6	0	†s7	
	20 oz	200	0	..	..	25	0	†s7	
syrup	.. 4 oz	48	0	..	..	6	0	†s7	
	20 oz	200	0	..	..	25	0	†s7	
R **Aflicetyn** (34 A&H)									
capsules 250 mgm	.. 12	162	0	..	..	20	3	TS	
	100	107	2ea	..		160	9	TS	
	1000	1034	10ea	..		1552	3	TS	
cream	.. 1 oz	40	0	..	..	5	0	TS	
dusting powder	5 gm	52	0	..	..	6	6	TS	
ear drops 5%	15 mils	84	0	..	..	10	6	TS	
10%	5 mils	62	0	..	..	7	9	TS	
powder non-sterile	5 gm	244	0	..	..	30	6	TS	
	25 gm	100	2ea	..		150	3	TS	
	100 gm	373	8ea	..		560	6	TS	
suspension ..	60 mils	122	0	..	..	15	3	TS	
A **All Fours** (488 Fylde)									
mixture ..	.. 8 oz	13	6	3	4½	2	0	†	
● **Aludrox SA** (1352 Wyeth)									
suspension ..	12 oz	72	0	18	0	9	6	†s1s4A	
tablets	.. 50	47	3	11	10	6	3	†s1s4A	
	250	168	0	42	0	22	2	†s1s4A	
● **Atkinsons** (76 Atkinson)									
men's range									
after shave lotion	..6540	64	0	31	2	10	6		
Cologne ..	..6554	75	0	36	7	12	6		
crystal after shave	..6534	64	0	31	2	10	6		
pre-electric shave	..6542	64	0	31	2	10	6		

	shaving bowl	..6537	72	0	17	7	10	6	
	refill	..6538	36	0	8	9	5	3	
	cream lather	6530	45	0	11	0	6	6	
	brushless	6532	45	0	11	0	6	6	
	talc	..6552	45	0	21	11	7	6	
A	**Breck** (1169 GS&S)								
	creme rinse ..	2½ oz	27	6	13	9	4	7	
		4 oz	35	0	17	6	5	10	
A	**Do-Do** (657 IL)								
	tablets	8	12	7	3	2	1	8	s7
		25	31	0	7	9	4	2	s7
		100	110	0	27	6	14	7	s7
R	**Eura 66** (884 NB) camera		..	..		..	38	6	
A	**Fiery Jack** (488 Fylde)								
	warming wool ..		13	6	3	4½	2	0	
R	**Ibis 34** (884 NB) camera		..	..		..	72	6	
R	**Ibis 44** (884 NB) camera		..	..		..	78	6	
	Kent (693 Kent)								
●	denture brush "Clinic"		28	0	..	..	3	6	
A	tooth brush "Park Lane"		22	0	..	..	2	9	
●	ex hard		23	4	..	..	2	11	
●	**Kolantyl** (838 MN)								
	gel ..	6 oz	40	0	10	0	5	10	
	Misslyn (1169 GS&S)								
A	nail varnish cream ..		33	0	16	6	5	6	
A	pearl ..		47	6	23	9	7	11	
●	remover ..		18	0	9	0	2	11	
●	**Mu-Cron** (657 IL)								
	tablets	12	20	6	5	1½	3	0	
R	**Paxette** (884 NB)								
	camera electromatic ..		..	..	..		495	0	
	super	I/L	..	..	..		357	0	
		I/L	..	..	..		457	6	
		2L/K	..	..	..		559	6	
		2L/C	..	..	..		599	6	
		2L/X	..	..	..		739	6	
		2L/T	..	..	..		799	6	
		2BL/C	..	..	..		759	6	
		2BL/X	..	..	..		899	6	
		2BL/T	..	..	..		999	6	
		III	..	..	..		1370	0	
	reflex	IB	..	..	..		995	0	
	automatic ..		..	..	..		1475	0	
R	**Paxina** (884 NB)								
	electromatic camera ..		..	..	..		495	0	
	Pears (509 Gibbs)								
A	transparent soap	bath	12	6½	3	0¾	1	6	
	Sporti IV (645 Ilford)								
●	gift pack		46	8ea	11	0ea	81	0	
A	**Sure Shield** (549 Guest)								
	lozenges iodised throat		8	4	2	1	1	3	
			15	0	3	9	2	3	
	pastilles glycerin & thymol		11	6	2	10½	1	9	
	Talika (1169 GS&S)								
●	eyelash grower ..		48	0	24	0	7	11	
R			96	0	48	0	15	11	
	Yardley (1355 Yardley)								
●	hand cream airflow	..1450	47	0	23	6	7	10	

MANUFACTURERS' ACTIVITIES

Sold Out. — The entire stock of laboratory glassware shown at the Scientific Instrument Manufacturers' Association exhibition in the Polytechnical Museum, Moscow, recently, was sold to Russia. Mr. E. L. Harrison (sales director, Quickfit & Quartz, Ltd.) said that his company's laboratory apparatus was bought "lock stock and barrel" by the Russian State importing agency. It was the first time that British laboratory glassware had been exhibited in Russia.

"Second-to-none" Social Amenities.—For a number of years W. J. Bush & Co., Ltd., Ash Grove Works, London, E.8, have been seeking to improve their canteen and sports and social club amenities. Premises recently acquired at 25 Mare Street, close to the Ash Grove works, have been partially rebuilt, added to, and converted, to give them the modern accommodation they need and amenities second to none. On the ground floor is a sports and social club room with a hard-wood floor which is suitable for dancing, and can hold approximately 300 people. It has a modern bar at one end and a stage at the other. There are facilities for dart playing as well as table tennis and a new loud-speaker and record-reproducing equipment has been installed. On the first floor are a billiard room with two full-sized tables and a senior-staff dining room panelled in oak with acoustic-tiled ceiling. There is an alcove for the entertainment of visitors and facilities for showing films. Waitress service is provided and the room can accommodate about sixty people under high-class restaurant conditions. On the top floor are the two main canteens decorated by plastic treatment so that the whole can be readily washed down and kept clean. There is also a room seating thirty-six, with waitress service, for the senior lady members of the staff. The premises were formally opened by Mrs. Eric Bush on September 21, and the event is being commemorated by a bronze plaque in the entrance vestibule.

Executives' Conference.—A number of managing directors and other executives from overseas subsidiaries flew to London recently to attend an overseas sales managers' conference at the Greenford headquarters of Glaxo Laboratories, Ltd. In conjunction with that conference were two smaller discussions, one dealing with veterinary business and the other with Latin markets. Among those attending were Mr. G. G. Hunt (managing director, Glaxo Australia and a director of A. & H. (Australasia), Ltd.), Mr. E. L. R. McGough (president, Glaxo (Cuba)) and Mr. L. A. Gullick (pharmaceutical sales director, Canada), Mr. R. Greenwood (Glaxo-Allenburys (Export), Ltd.) and Mr. H. Turnbull (Allen & Hanburys Indian branch). A meeting of the company's home medical representatives followed the three conferences.



Sir Robert Hutchings (second from left, a director of the parent company) with Mr. G. G. Hunt (extreme left, managing director of the Glaxo Australian company and a director of A. & H. (Australasia), Ltd.), Mr. E. L. R. McGough (president, Glaxo (Cuba)), and Mr. L. A. Cullick (back to camera, pharmaceutical sales director, Canada).

A Booklet for Mothers.—Introduction of the company's combined detergent steriliser for infants' feeding equipment prompted Trufood, Ltd., 113 Newington Causeway, London, S.E.1, to produce a revised edition of their booklet for mothers: "Cradle Days" (including a section on Nursery Hysan). The chapter on cleaning the equipment has been expanded. A step-by-step description of the new method is illustrated by line drawings. The booklet deals mainly with bottle feeding, but also contains details of Trufood's milk foods and short references to the products for older infants. All the products mentioned are retailed through chemists only. Copies for customers may be obtained from the company's office or representatives.





Above: Miss Eliza Kendal (beauty editor of *Vogue*) opens the sealed envelope containing the chief chemist's certificate of content of the bottle (see *C. & D.*, October 15, p. 463). At right: The Renault Dauphine car that goes to the first prize-winner; Air France hostess typifying the second prize (a holiday for two in Paris) and the third prize a Vespa motor scooter. On the steps are the two judges with directors and executives of Bourjois, Ltd.

INFORMATION WANTED

The Editor would appreciate information about

Sebald hair lotion

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, OCTOBER 19: Merchants were reckoning up the cost of their lost orders and the extra freightage that had to be paid to get their consignments from Continental ports where they had been off-loaded pending the end of the tally men's strike in the London docks, when news came through that the strike which was supposed to be called off on Monday morning had begun again. However, the strikers finally resumed work the next day but it will take a long time to get the port back to normal.

Most of the extra costs are not recoverable by the merchants since they had sold the goods in advance on ex-wharf terms before the strike broke out. The bill to be met in most instances will be very considerable quite apart from the lost orders and goodwill.

Genuine-as-imported TOLU BALSAM was short on the spot and for the small quantity available 25s. per lb. was asked. Some business was done in BUCHU and the amount left on the spot is thought to be very small. Aleppy green CARDAMOMS were cleared on the spot. Portuguese ERGOT was lower with holders shading their prices to encourage business. Offers of new gathering Matto Grosso IPECACUANHA have not yet been received. QUILLAIA was nominal on the spot and Jamaican SARSAPARILLA was threepence dearer at 2s. 8d. per lb.

In ESSENTIAL OILS both Ceylon and Formosan CITRONELLA were dearer at origin although spot holders did not adjust their prices in sympathy. LEMONGRASS jumped to 12s. 9d. per lb., c.i.f. (from 12s. 1½d.).

In PHARMACEUTICAL CHEMICALS the price of IODINE RESUBLIMED was down by 2s. 3d. per kilo.

Pharmaceutical Chemicals

ACETIC ACID.—B.P. glacial, 10-ton lots, £112 per ton naked; technical (80 per cent.) £97. Carboys are £8 and demijohns, £10 per ton extra. Single carboy lots 1s. 8d. per lb. (3s. 8d. per kilo).

AMPHETAMINE. — One to 10-kilo lots: BASE, from 140s. to 160s.; SULPHATE, 110s. to 130s. and *d*-AMPHETAMINE SULPHATE, 405s. to 420s.

AMYLOBARBITONE. — B.P.C. is 82s. 6d. per kilo for less than 25-kilo lots and SODIUM, B.P.C., 92s. 6d. per kilo.

ATROPINE.—Rates for 16-oz. (500 gm.):

	per oz.	per kilo
	s. d.	s. d.
ALKALOID	39 0	1375 0
METHONITRATE	39 0	1375 0
METHYLBROMIDE ..	38 6	1357 0
SULPHATE	34 0	1198 6

BARBITONE. — Less than 25-kilo lots, 53s. 6d. per kilo. SODIUM derivative, 56s. 9d. per kilo.

BENZYL BENZOATE. — B.P. in 1-ton lots, 4s. 6d. per lb.

BROMIDES.—Crystals (per lb.):—

	1 cwt.	5 cwt.
	s. d.	s. d.
POTASSIUM	2 6	2 5
SODIUM	2 6	2 5
AMMONIUM	2 10	2 8½

Powder is three-halfpence per lb. more, packages free, carriage paid terms.

BUTOBARBITONE. — B.P.C., 87s. 6d. per kilo in less than 25-kilo lots.

CARMINE.—70s. per lb. for 1-cwt. lots.

CHLOROFORM.—1-cwt. lots in winchesters, 3s. 4½d. per lb.; 56-lb., 3s. 6d. In drums, 3s. 2d. and 3s. 2½d. per lb. respectively.

CHLOROXYLENOL.—B.P., 5s. 8d. per lb. for 1-cwt. lots: 5s. 3d. per lb. for 1-ton.

COCAINE. — 16-oz. lots, HYDROCHLORIDE, 91s. 6d. per oz.; ALKALOID, 101s. per oz. Subject to D.D.A. Regulations.

CREOSOTE.—B.P. quality, ex beechwood, from 6s. 9d. to 7s. 6d. per lb.

CRESOL.—B.P. quality, 7s. 9d. per gall. in 5-gall. lots.

CYCLOBARBITONE. — Less than 25 kilos; B.P.C., 73s. per kilo. CALCIUM, 85s. per kilo.

DICOPHANE (DDT). — One-cwt. lots 3s. 2d. per lb.; 5-cwt., 3s. 0½d.; 1-ton, 2s. 11d.

DIHYDROXY-ACETONE.—Per kilo £9 for minimum 1-kilo lots.

DIPHENAN.—(Per lb.), 55s. 3d. (56-lb.), to 63s. (1-lb.).

EMETINE. — One-kilo lots, HYDROCHLORIDE, 8,642s. per kilo.

EPHEDRINE. — ALKALOID nominally 6s. 6d. per oz., SULPHATE, 4s. and HYDROCHLORIDE, 3s. 3d. per oz.

FORMALDEHYDE.—B.P. solution, 5 drum lots, 755s. per ton in free drums, delivered.

GALLIC ACID.—B.P., 10s. 7d. per lb. for 1-cwt. lots. Technical grade, 9s. 9d.

GLYCYRRHETINIC ACID.—Per gm., 2s. 3d.

HEXAMINE.—B.P., 1s. 11½d. per lb. for 1-ton lots, delivered in 1-cwt. kegs. Technical is threepence per lb. less.

HEXOBARBITONE. — 25-kilo lots or over, 115s. per kilo.

HOMATROPINE. — 16-oz. lots (per oz.): ALKALOID, 30s. 6d.; HYDROBROMIDE, 24s. 6d.; HYDROCHLORIDE, 28s. 6d.; METHYLBROMIDE, 25s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

HYDROQUINONE. — One-cwt. lots, 11s.; 1-ton, 9s. per lb.

IODINE.—Resublimed in less than 50-kilo lots, 22s. per kilo. Minimum delivered rate for CRUDE is 15s. per kilo.

KAOLIN.—LIGHT, 60s. per cwt.; 1-ton, 57s. per cwt.

LACTATES. — CALCIUM, B.P., 2s. 3d. per lb. in 5-cwt. lots and 2s. 4d. in 1-cwt. lots; CALCIUM SODIUM, 4s. 9d. and 4s. 10d. per lb.

METHADONE.—Subject to D.D.A. 16s. 3d. per 5 gm. pack.

OPIATES.—Home trade prices (per oz.) subject to D.D.A. Regulations:—

	35 oz. and over	Under 35 oz.
	s. d.	s. d.
CODEINE		
PHOSPHATE	41 0	42 0
HYDROCHLORIDE ..	47 3	48 3
SULPHATE	47 3	48 3
ALKALOID	54 0	55 0
MORPHINE		
ACETATE	50 0	51 0
HYDROCHLORIDE ..	50 0	51 0
SULPHATE	50 0	51 0
TARTRATE	60 0	61 0
ALKALOID	61 3	62 3
ETHYLMORPHINE		
HYDROCHLORIDE ..	54 0	55 0
ALKALOID	63 3	64 3
DIAMORPHINE		
ALKALOID	54 9	55 9
HYDROCHLORIDE ..	59 9	60 0

PENTOBARBITONE. — Under 25-kilo lots, 125s. per kilo; SODIUM, 130s.

PETHIDINE HYDROCHLORIDE. — Subject to D.D.A. Regulations, 229s. 2d. per 250 gm.

PHENOBARBITONE. — Spot rate 50-kilo lots, 47s. 6d. per kilo; 5-kilos, 50s. 6d.; 500-gm., 54s. 6d. SODIUM SALT unchanged at 55s. 6d. per kilo for 5-kilo lots.

PHENOL. — Ice crystals in drums is 1s. 4½d. per lb. (under 1-ton lots, 1s. 7½d.). Detached crystals, 2d. per lb. above and LIQUID, B.P., ¼d. per lb. below the foregoing prices.

PHYSOSTIGMINE. — Per gm.: ALKALOID, 14s. 8d. (5-gm. lots); SALICYLATE, 10s. and SULPHATE, 12s. 7d. (25-gm. lots); NITRATE, 1s. 1½d. (500-gm.).

POTASH SULPHURATED. — Lump, B.P.C., 2s. 6d. per lb. in 1-cwt. lots.

RESORCINOL.—One-cwt. lots, 12s. 4d. per lb.

SALOL.—B.P.C., 9s. per lb. (1-cwt. lots).

SULPHACETAMIDE.—One-cwt. lots, 24s. 6d. per lb. SODIUM derivative, 30s.

SULPHAGUANIDINE. — One-cwt. lots, 11s. per lb.

SULPHANILAMIDE. — One-cwt. lots, 6s. per lb.

SULPHAPYRIDINE.—Five-kilo lots, 120s. per kilo.

SULPHATHIAZOLE.—One-cwt. lots, 16s. 9d. per lb.

THEOBROMINE. — ALKALOID in 50-kilos, about 60s. per kilo.

Industrial Chemicals, Solvents

ACETALDEHYDE.—The 100 per cent. is £122 per ton.

ACETATES.—Per ton, spot 1-ton lots: AMYL (technical), £254, and B.S.S., £256. BUTYL, £169; ETHYL, £141; ISOPROPYL, £136.

ACETIC ANHYDRIDE.—10-ton lots, £126 per ton, delivered U.K. in returnable drums; 1-ton, £128.

ACETONE.—One-ton lots spot, £84 per ton in drums.

BENZOLE.—Thiophene-free, 9s. 3½d. per gall. for one 50-gall. barrel; pure 6s. 3½d. per gall.

N-BUTYL ALCOHOL.—1–5-ton lots, £159 per ton and one-ton lots, £163 per ton. SECONDARY, £130.

CARBON TETRACHLORIDE. — In 40-gall. drums, 1 ton and under 2 tons, £83 15s.; 4 tons and upwards, £82 5s.

ISOPROPYL ALCOHOL. — Technical grade (99 per cent.) 5s. 0½d. per gall. for 10,000-gall. lots; anhydrous in drum lots is £108 per ton.

METHYL ETHYL KETONE. — One-ton lots, £138 10s. per ton.

NAPHTHALENE.—Nominal home contract prices per ton for large users:—CRUDE, crystallising point 64–71·9° C., £22 5s. to £23; WHIZZED, c.p. 72–77·5° C., £27 5s. to £35 15s. according to the crystallising point, ex works; PHTHALIC grade, minimum c.p. 77·5° C., £42 10s. ex maker's works; CRYSTALS from £62 10s. to £65 delivered; BALL AND FLAKE, £71 to £73 10s. delivered.

PHTHALATES. — Prices (per ton) one-ton lots: DIBUTYL, £206; DI-ISOBUTYL, £199; DI-ETHYL, £190 10s.; DI-METHYL, £182.

STEARATES. — Spot prices for minimum 1-ton lots:—ALUMINIUM (all grades), 253s. 6d. per cwt., CALCIUM (precipitated), 243s. 6d.; LEAD (30 per cent.), 223s. 6d.; MAGNESIUM (standard), 272s. and (superfine), 302s.; ZINC 226s. to 286s. as to grade.

Crude Drugs

ACONITE. — Spot: Spanish *napellus*, 2s. 6d. per lb.

AGAR. — Kobé No. 1, 16s. per lb. in bond.

ALOES.—Cape primes, spot, 185s. per cwt.; no offers for shipment. Curaçao, spot, 480s.; shipment, 440s., c.i.f.

BALSAMS.—Per lb.; CANADA: Spot, 22s. for paper-filtered. COPAIBA: Spot, 7s. to 10s., duty paid as to source. PERU: Spot, 9s. in bond. TOLU (genuine as imported): 25s., nominal, B.P., 12s. 6d. per lb.

BELLADONNA. — LEAVES (t.a. 0·53 per cent.), 1s. 9d. per lb. Dutch for shipment (t.a. not quoted) 2s., c.i.f. ROOT cleared on the spot.

BENZOIN. — Sumatra block, spot £22 to £30 as to quality.

BUCHU. — Scarce. Spot rounds, 1960 crop, 5s. per lb.; 1958–59 crop, 4s. 3d. to 4s. 6d.

CALABAR BEANS.—Spot, 2s. 3d. per lb.

CALAMUS.—Root, 1s. 2d. per lb., c.i.f.

CALUMBA.—Root, 100s. per cwt., spot. 87s. 6d., c.i.f.

CAMPHOR.—B.P. powder, 3s. 10½d. per lb. in bond.

CAPSICUMS.—Chinese, 155s., duty paid; East African, off-stalk, 175s. to 220s. as to quality.

CARDAMOMS. — Aleppy greens, spot cleared; prompt shipment, 13s. 7½d. per lb., c.i.f. Seeds, shipment, 21s. 6d., c.i.f.

CASCARA.—Spot, 1960 peel. 260s. per cwt., shipment, 265s., c.i.f.

CASSIA. — *Fistula*, 115s. per cwt., spot; *lignea*, 380s., duty paid.

CHERRY BARK. — Thin natural, 1s. 11d. per lb.; rossed, 2s. 6d., nominal.

CHILLIES. — Nigerian, 190s. per cwt.; Zanzibar, 360s., Mombasa, 350s. per cwt.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 5s. 6½d.; 3 O's, 5s. 5d.; O, 5s. 0½d.; quillings, 3s. 3½d.; featherings, 1s. 8d.

CLOVES.—Zanzibar spot, 2s. 9¾d. per lb.; shipment, 2s. 6½d., c.i.f.

COCHINEAL.—Black-brilliant, 12s. 3d. per lb., spot; Peruvian silver-grey, 4s. 6d.

COCILLANA. — Bark, 2s. per lb., spot; 1s. 8d., c.i.f.

COLOCYNTH PULP.—Spot, 2s. to 2s. 6d. per lb. as to quality.

DIGITALIS. — Purpurea for shipment, 11d. to 2s. 4d. per lb., c.i.f., as to test.

ELEMI.—Spot, 2s. 6d. per lb. nominal. Shipment, not offering.

ERGOT.—Portuguese nominally 9s. 9d. per lb., c.i.f., for prompt shipment; spot, 9s. 3d.

GENTIAN.—Spot: French, 155s. per cwt.

GINGER. — African, spot, 230s. and 215s., c.i.f. Jamaican No. 3, spot, 205s.; shipment, 197s. 6d., c.i.f. Cochin, shipment, new crop, 145s., c.i.f.; spot, 175s. (per cwt.).

GUM ACACIA. — Kordofan cleaned sorts, 165s. per cwt., spot; October-November shipment, 152s., new crop, December-January, 149s. (both c.i.f.).

HENNA. — Indian, spot, 95s. per cwt.; new crop, November–December shipment, 62s. 6d., c.i.f.

HONEY.—Australian light amber, 97s. 6d. to 100s. per cwt. and medium amber 92s. 6d. to 97s. 6d.; Argentine, 100s.; Jamaican, 110s. to 115s.; Canadian clover, 145s. to 150s., all ex warehouse.

IPECACUANHA. — For shipment, c.i.f., per lb.—Colombian, 50s. 3d.; Costa Rican, 68s. 6d.; Nicaraguan, 66s. 6d. Spot: Matto Grosso, 53s. 6d. to 55s. as to test; Colombian, 55s. 6d.

JUNIPER BERRIES.—Italian, 90s. per cwt.; German, 145s.

KARAYA. — No. 1 gum, spot 325s. per cwt. nominal; No. 2, 225s.

KOLA NUTS. — Jamaican for shipment, 7d. per lb., c.i.f. African, 5½d. spot and 4d., c.i.f.

LANOLIN. — ANHYDROUS, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and HYDROUS, B.P., 150s., free drums, delivered.

LEMON PEEL.—Spot, 2s. 6d. per lb.

LINSEED.—Whole, 75s. to 80s. per cwt.; crushed, 110s.

LIQUORICE. — Natural root: Persian on the spot, 45s. per cwt. and Anatolian decorticated, 165s. Block juice: Anatolian from 190s. per cwt.; Italian stick from 310s. to 470s. per cwt.

LOBELIA HERB.—Dutch for October shipment, 3s. 6d. per lb., c.i.f.

MACE. — Whole pale blade, 23s. 6d. per lb. spot.

MENTHOL. — Chinese: market nominal. Brazilian, 58s., in bond; 58s., c.i.f.; Formosan, 57s. 6d., duty paid (55s. in bond).

MERCURY. — About £70 10s. per flask of 76 lb.

NUTMEGS. — West Indian 80's 12s. per lb., spot; sound unassorted, 9s. 6d.; defectives, 7s.

NUX VOMICA.—Shipment, 90s. per cwt., c.i.f., subject to export licence.

ORANGE PEEL. — Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 11d.; Spanish, 1s. 7d.; bitter ribbon, 1s. 6d.

PAPAIN. — Tanganyikan, 11s. per lb., c.i.f., for grade one. Spot, 12s. Ceylon all grades nominal.

PEPPER.—White Sarawak, spot, 5s. 2d. per lb.; shipment, 4s. 7½d., c.i.f. Black Sarawak, spot, 3s. 9d. Shipment, 3s. 1d., c.i.f. Black Malabar, 460s. per cwt. spot, and 430s., c.i.f.

PEPPERMINT LEAVES. — Dutch whole, 1s. 9d. to 2s. 2d. per lb., c.i.f.

PIMENTO.—Spot, 590s. cwt.; shipment, 500s., f.o.b.

PODOPHYLLUM. — Emodi, 190s. per cwt. spot.

PYRETHRUM.—Extract, minimum, 25 per cent. w/w pyrethrins, 75s. per lb. for small lots.

QUILLAIA. — Spot nominal; near shipment, 175s., per cwt., c.i.f.

RHUBARB. — Chinese small rounds from 5s. 9d. to 6s. 9d. per lb. on the spot.

SAFFRON.—Mancha selecta, 147s. 6d. per lb.

SARSAPARILLA. — Jamaican native red short on spot, 2s. 8d. per lb.; shipment, 2s. 3d., c.i.f., nominal.

SEEDS. — (Per cwt.). ANISE.—Spanish, 152s. 6d., spot, duty paid. CARAWAY. — Dutch unchanged at 172s. 6d., spot, duty paid. CELERY.—Indian offered at 145s., spot; shipment, 138s. 6d., c.i.f. CORIANDER. —Moroccan spot quoted at 100s., duty paid; shipment, 80s., c.i.f. CUMIN. — Indian easier at 185s. spot; Iranian, 175s., duty paid. DILL.—Indian unchanged at 100s., spot; shipment, 87s. 6d., c.i.f. FENNEL.—Chinese 105s., duty paid, sellers; Indian, 120s., quoted. FENUGREEK. — Moroccan firm at 57s. 6d., duty paid, business passing in shipment, 49s., c.i.f., quoted. MUSTARD.—English, 70s. to 97s. 6d. according to quality.

SENEGA.—Spot, 21s. 6d. per lb.

SHELLAC.—F.O.T.N., 202s. 6d. per cwt.; No. 1, 225s.; F.O., 235s. to 285s., spot.

SQUILL—White 80s. per cwt., spot.

STRAMONIUM. — Indian LEAVES 60s. per cwt., spot. Dutch 0·5 per cent. alkaloid 93s., c.i.f.

STYRAX. — Spot, 32s. 6d. per lb., shipment, 30s., c.i.f.

TRAGACANTH. — No. 1 ribbon, £135 to £140 per cwt. No. 2, £125 to £130.

Essential and Expressed Oils

ALMOND. — Moroccan, 6s. per lb., duty paid.

AMBER.—Rectified on the spot, 1s. 6d. per lb.

ANISE.—Chinese, 6s. 9d. per lb., spot; shipment, 6s. 5d., c.i.f.

ARACHIS.—Spot, 2–5-ton lots naked ex mill, £142 per ton.

CAJUPUT.—Spot from 10s. per lb.

BOIS DE ROSE.—Brazilian, 15s. 3d. per lb. on the spot and 14s. 9d., c.i.f.

CAMPHOR, WHITE.—Chinese, 1s. 8d. per lb in bond; 1s. 5d., c.i.f.

CASTOR.—Home-produced B.P. oil, spot, £159 per ton naked ex mill (2-ton lots).

CELERY SEED. — Dutch oil, 90s. per lb. and Chinese, 65s.

CITRONELLA. — Ceylon, spot, 6s. 6d.; shipment, 6s. 3d. per lb., c.i.f. Formosan, spot, 6s. 4½d., in bond; shipment, 6s. 1½d., c.i.f.

COD-LIVER. — B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER.—B.P. oil, 52s. 6d. per lb., spot.

CUBEB.—Small spot supplies of imported are 65s. per lb.; English, 90s.

CUMIN.—Imported oil, 90s. per lb.

DILL.—Imported, 26s. 6d. per lb., spot.

EUCALYPTUS.—Australian 70 and 75 per cent. eucalyptol on the spot is 5s. 3d. per lb. 80–85 per cent., 5s. 6d. Spanish (70–75), 3s. 6d. spot. Chinese 3s. to 3s. 6d., duty paid.

GINGER.—Imported: Jamaican, 130s. per lb.; Chinese, 72s. 6d., duty paid.

GRAPEFRUIT. — Jamaican, 12s. 6d. per lb. spot. Florida, 14s. 6d., nominal.

LAVANDIN.—Spot from 6s. per lb. for original drums.

LAVENDER.—From 20s. to 50s. per lb. as to quality.

LAVENDER SPIKE.—Spanish, 13s. 9d. per lb. for original drums.

LEMONGRASS. — Spot, 13s. 6d. per lb., nominal and shipment, 12s. 9d., c.i.f.

LIME. — West Indian distilled, 50s. per lb. on the spot.

NUTMEG.—Imported B.P. oil is 90s. per lb. English-distilled 100s.

ORANGE.—Spot quotations of sweet oil include Floridan at 4s. per lb. nominal; West Indian, 4s. 6d.; Israeli, 7s. 6d.; Californian, 5s. 3d. to 7s. 6d.

OTTO OF ROSE.—Bulgarian, 400s. per oz. Turkish, £350 per kilo.

PALMAROSA. — Spot, 36s. 6d., per lb., 34s., c.i.f.

PATCHOULI. — Penang is 40s., duty paid and 36s. 6d., c.i.f., per lb.

ROSEMARY.—Spanish is 7s. 6d. per lb. on the spot for best quality.

SANDALWOOD.—Mysore 150s. to 155s. per lb.

SPEARMINT.—American oil on the spot about 50s.

TANGERINE.—From 17s. 6d. to 26s. per lb., as to quality, spot.

VETIVERT.—Bourbon spot, 115s. per lb.; shipment, 112s. 6d., c.i.f.

YLANG YLANG.—Spot, 37s. 6d. per lb.

UNITED STATES REPORT

NEW YORK, OCTOBER 18: VANILLA BEANS declined to make the Bourbons $8·50 a lb., down 25 cents. Higher per lb. among CRUDE DRUGS were ERGOT at $1·75, up 70 cents; COPAIBA BALSAM at 68 cents, up three cents; and TOLU BALSAM at $3.50, up 10 cents. Bourbon GERANIUM OIL dropped 75 cents to $26·25 per lb.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED
From the " Official Journal (Patents)," October 5

Cycloheximide alkyl hydrazones and pesticides containing same. Upjohn Co. 855,106.

Purification of aqueous solutions of streptomycin and/or dihydrostreptomycin. C. Pfizer & Co., Inc. 855,167.

Cyclopentanophenanthrene derivatives and process for the production thereof. Syntex, S.A. 855,300.

Monoepoxide of cyclopentadienes, their derivatives and processes for the preparation. Columbia-Southern Chemical Corporation. 855,199.

Fungicidal composition and basically substituted thiazoles for use therein. Monsanto Chemical Co. 855,389.

Insecticides. Fahlberg-List Chemische Und Pharmazeutische Fabriken Veb. 855,505.

4-aminoquinaldinium salts. Allen & Hanburys, Ltd. 855,212.

From the " Official Journal (Patents)," October 12

N-substituted anilides and their preparation. American Cyanamid Co. 855,770.

Acetanilide derivatives. Boots Pure Drug Co., Ltd., 855,556.

Long-acting steroid compounds. C. E. Frosst & Co. 855,716.

Amphetamine condensation products. Irwin, Neisler & Co. 855,521.

Preparation of vitamin A acetate. Nopco Chemical Co. 855,519.

Cyclopentanophenanthrene derivatives and process for the production thereof. Syntex, S.A. 855,800, 855,801.

α-Cyanomethyl-α methyladipates and preparation thereof. Rohm & Haas Co. 855,883.

Dinitro-butylphenol esters and their use in pesticidal preparations. Farbwerke Hoechst A.G. Vormals Meister, Lucius, & Bruning. 855,736.

Determination and control of compositions in chemical processes by titration. Imperial Chemical Industries, Ltd. 855,708.

Method of recovering sulphonamides from solution in organic solvents. American Cyanamid Co. 855,717.

Omega-alkylmercurietlhio fatty acids, derivatives thereof and process for their preparation. Fujisawa Pharmaceutical Co., Ltd. 855,699.

Salivation testing devices. P. Schwerin. 855,916.

Sanitary tampons. R. Rybar. 855,537.

Drenching gun. Drug Houses of Australia, Ltd. 855,925.

Equipment for parenteral administration. Cutter Laboratories, Inc. 855,535.

British patent specifications are obtainable (price 3s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals.

TRIPARANOL (Mer-29) in coronary artery disease, *J. Amer. med. Ass.*, September 3.

AUTOGENOUS VACCINE THERAPY in staphylococcal infections, *J. Amer. med. Ass.*, September 3.

RIBONUCLEIC ACID, some molecular details of the secondary structure of, *Nature*, October 8.

DIHYDROXYACETONE, staining of the skin with, *Science*, September 30.

BORON AND SUGAR translocation in plants, *Science*, September 30.

ESSENTIAL HYPERTENSION. Nature of. *Lancet*, October 15.

SALICYLATE INTOXICATION. Peritoneal dialysis in. *Lancet*, October 15.

AMODIAQUINE treatment of urticaria and Quinke's oedema with a synthetic antimalarial drug, *Lancet*, October 15.

FREEZE-DRIED B.C.G. Vaccine, multiple-puncture vaccination in the newborn with, *Brit. med. J.*, October 15.

DEXAMETHASONE myopathy, *Brit. med. J.*, October 15.

THE ASSESSMENT of " softness " in a synthetic detergent by biological means, *Chem & Ind.*, October 15.

PREPARATION of ring-substituted methyl derivatives of estrone and estradiol by *Septomyxa affinis*, *Chem. & Ind.*, October 15.

IDENTIFICATION of 19-norandrostenedione in follicular fluid, *Nature*, October 15.

TRICHOPHYTIN. Isolation of purified. *Nature*, October 15.

PYRETHRUM. Residual effect of. *Indian J. Pharm.*, September.

COMPLEXOMETRIC ESTIMATION of zinc in pharmaceuticals, *Indian J. Pharm.*, September.

COMMERCIAL CULTIVATION of lemon-grass, *Eastern Pharm.*, September.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION
From the " Trade Marks Journal," October 5

For veterinary and sanitary substances (5)
KUDEX, 801,453, by Laboratories for Applied Biology, Ltd., London, N.16.

For pharmaceutical preparations and substances for human and veterinary use, all for sale in the United Kingdom (5)
PASIVAX, 801,856, by Bayer Products, Ltd., Kingston-on-Thames, Surrey.

For pharmaceutical preparations for use in the treatment of protozoal infections (5)
FLAGYL, 802,757, by May & Baker, Ltd., Dagenham, Essex.

For pharmaceutical products and preparations (5)
NOBACID, 803,709, by A. B. Bofors, Bofors, Sweden. IBITON, 803,729, by Abbott Laboratories, North Chicago, Illinois, U.S.A.

For deodorants (5)
DRIAX, 804,825, by Ross Laboratories, Ltd., Watford, Herts.

For pharmaceutical preparations and substances for human and veterinary use (5)
BOTUVAX, ENBOVAX, 806,234-35, by Willows Francis, Ltd., London, E.8.

For medicinal and vitamin preparations for veterinary use (5)
KITICOIDS, 806,611, by Medana Pharmaceuticals, Ltd., Bradford, Yorks.

For pharmaceutical preparations and substances for human and veterinary use, all consisting of or containing iron (5)
FERIBIOT, 806,691, by CIBA, Ltd., Basle, Switzerland.

For photographic and cinematographic apparatus and instruments; etc. (9)
TROPA, 783,171, by Telektron, A.B., Stockholm, Sweden.

For apparatus for processing photographic films and photographic paper (9)
LAWLETTE, 795,716, by Newman & Guardia, Ltd., Harlow, Essex.

For drinking straws (20)
MANSELL, 794,000, by Mansell, Hunt, Catty & Co., Ltd., London, N.W.3.

From the " Trade Marks Journal," October 12

For preparations and substances for laundry use (other than bleaching preparations and substances); cleaning, polishing, scouring and abrasive preparations and soaps (3)
Device with word WALKERS, 781,688, by W. & F. Walker, Ltd., Kirkby, nr. Liverpool.

For preparations for the hair (3)
Device with words TOCCO MAGICO, 795,798, by Tocco Magico, S.p.A., Rome, Italy.

For toilet preparations (not medicated) and cosmetics (3)
ESTEE LAUDER, 800,960, by Estée Lauder Cosmetics, New York, U.S.A.

For detergents (not for use in industrial or manufacturing processes) (3)
Device with word SWAN, 801,067, by Lever Bros., Port Sunlight, Ltd., Port Sunlight, Ches.

For all goods (3)
AIRLAQUE D'ANTOINE, B801,926, by Antoine Cierplikowski, Paris, France.

For bleaching preparations for laundry use; non-medicated soap powder; and soapless detergents (3)
DAZOMATIC, 804,681, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne.

For perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, soaps, and essentail oils (3)
Device with words CACHET DE CHARMONY, 805,241, by Munro Vitarex, Ltd., London, S.E.27.

For pharmaceutical preparations containing penicillin and being in tablet form (5)
COMPOCILLIN V.K., C.V.K. TABLETS, 789,576, by Abbott Laboratories, North Chicago, Illinois, U.S.A.

For pharmaceutical preparations for use in the treatment of influenza (5)
FLU-REX, 800,152, by Cupal, Ltd., Blackburn, Lancs.

For pharmaceutical preparations containing vitamin B_{12} for administration by injection (5)
ARMOCINE, 790,775, by Armour & Co., Chicago, 9, Illinois, U.S.A.

For insecticides and weed killers (5)
Device with letters LF, 804,564, by Liquid Fertilizers, Ltd., Batley, Yorks.

For all goods (5)
PUROCHEM, 799,443, by Pure Chemicals, Ltd., London, E.C.2. MISS MODESS, 803,217, by Personal Products Corporation, North Brunswick Township, New Jersey, U.S.A. PARVADIN, 803,701, by Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 24. KUKIROL, 804,259, by Kukirol-Fabrik Kurt Krisp, K.G., Weinheim, Germany. RAYCOT, 804,771, by Johnson & Johnson, New Brunswick, New Jersey, U.S.A. ANTROTRANE, 806,921, by Ward, Blenkinsop & Co., Ltd., London, W.C.1.

For preparations for the destruction of weeds (5)
ARETIT, 799,577, by Farbwerke Hoechst, A.G. vormals Meister Lucius & Brüning, Frankfort-on-Main-Hoechst, Germany.

For pharmaceutical preparations for the treatment of endocrine disorders (5)
GESTANIN, 803,301, by Organon Laboratories, Ltd., London, W.C.2.

For pharmaceutical preparations and substances containing derivatives of codeine (5)
TRANCODINE, 804,232, by Duncan, Flockhart & Co., Ltd., Edinburgh, 11.

For pharmaceutical preparations in tablet form (5)
PET-SED, 804,725, by Giano Trading Co., Ltd., London, W.1.

For pharmaceutical preparations (5)
SEBUTIN, 805,356, by Tobal Laboratories, Ltd., London, W.1.

For pharmaceutical preparations for human and veterinary use; all being goods for internal use (5)
EMANOL, 805,965, by Imperial Chemical Industries, Ltd., London, S.W.1.

For pharmaceutical preparations and substances for human and veterinary use (5)
FEOSPAN, 806,852, by Smith Kline & French Laboratories, Ltd., Welwyn Garden City, Herts.

For electric blankets, and parts and fittings (10)
SLUMBERLAND, 801,848, by Slumberland, Ltd., Tyseley, Birmingham, 11.

WILLS

MR. A. F. BROWNLOW, M.P.S., Cottesmore, Tiddington Road, Stratford-on-Avon, Warwicks, left £34,839 (£34,228 net).

MR. J. A. COLLINS, M.P.S., 8 New Hall Avenue, Broughton Park, Salford, Lancs, left £5,744 (£3,592 net).

MR. G. E. DAVIES, M.P.S., Y Lletty, Danygraig Avenue, Newton, Porthcawl, Glam., left £8,230 (£7,983 net).

MR. W. J. DAVIES, M.P.S., 22 Goring Road, Llanelly, Carms, left £29,024 (£28,972 net).

MR. S. H. FORREST, M.P.S.N.I., 43 Bryansburn Road, Bangor, co. Down, left estate in Great Britain and Northern Ireland valued at £17,958.

MR. A. A. GODKIN, M.P.S., 42 East Cliff Road, Tunbridge Wells, Kent, left £34,640 (£34,572 net).

MR. G. C. GRAY, M.P.S., 41 Windsor Crescent, Berwick-on-Tweed, left £5,115 (£4,620 net).

MR. S. T. SMITH, M.P.S.I., 81 Templeogue Road, Dublin, left estate in England and the Republic of Ireland valued at £17,333.

MR. F. STAINSBY, M.P.S., 2 Cobden Street, Darlington, co. Durham, left £11,992 (£11,947 net).

MR. W. H. THOMAS, M.P.S., 6 Llantwit Road, Treforest, Pontypridd, Glam, left £8,241 (£7,778 net).

A.B.C.M. Annual Meeting

(*Concluded from p. 507*)

achieved. It had, therefore, been decided to defer further consideration until a specific case arose.

The possibility of compiling and publishing a guide to sources of information and advice at home and abroad on domestic and foreign statistics was being explored.

The Council had asked for a factual appraisal of the position in British ports in view of a statement that British importers were frequently handicapped to the extent of 10s. per ton on certain raw materials as compared with Continental competitors because of the bad facilities and slow rate of discharge at British ports. The excess cost was made up of such things as the cost and slow rate of discharge, excessive overtime payments, port charges, losses from labour disputes and restrictive practices.

Officers

The Council of the Association for 1960–61 is as follows:— *President*, Mr. G. F. Williams (The British Drug Houses, Ltd.); *Vice-presidents:* Dr. F. H. Carr, Sir Roger Duncalfe, Dr. E. V. Evans, Sir Graham Hayman (the Distillers Co., Ltd.), Mr. B. Hickson (Hickson & Welch, Ltd.), Sir Harry Jephcott (Glaxo Laboratories, Ltd.) and Mr. C. F. Merriam; *Chairman*, Sir William Garrett (Monsanto Chemicals, Ltd.); *Vice-chairman*, Mr. J. C. Hanbury (Allen & Hanburys, Ltd.); *Treasurer*, Mr. J. L. Harvey (Fullers' Earth Union, Ltd.); and Messrs. G. H. Beeby (British Titan Products Co., Ltd.), E. L. Bush (W. J. Bush & Co., Ltd.), G. H. W. Cullinan (Shell Chemical Co., Ltd.), I. V. L. Fergusson (Evans Medical, Ltd.), M. J. C. Hutton-Wilson (Associated Chemical Companies, Ltd.), W. K. McGavin (Shell Chemical Co., Ltd.), P. D. O'Brien (Laporte Chemicals, Ltd.), F. S. Poole (Peter Spence & Sons, Ltd.), H. G. Rolfe (The British Drug Houses, Ltd.), W. D. Scott (Imperial Chemical Industries, Ltd.), E. Stein (the Distillers Co., Ltd.), Dr. J. E. Taylor (Unilever, Ltd.) and Mr. B. White (A. Boake, Roberts & Co., Ltd.); *Director*, Mr. George Brearley; *General secretary*, Mr. A. J. Holden.

PRINT AND PUBLICITY

PUBLICATIONS

Catalogues

E. R. Holloway Sales, Ltd., Bessemer Road, Welwyn Garden City, Herts: Barnet 1960 toilet brush sets. Pp. 6.

Loughborough Glass Co., Ltd., Loughborough, Leics: Laboratory equipment. Pp. 80.

Pifco, Ltd., Watling Street, Manchester, 4: Electrical specialities, 1960-61. Pp. 64.

Rank Precision Industries, Ltd., cine and photographic division, 37 Mortimer Street, London, W.1: Filmosound 16 mm. projectors. Pp. 20.

Price Lists

George T. Gurr, Ltd., 136 New King's Road, London, S.W.6: Accessories for microscopy and biological science (list A.C.). Pp. 28. Biological stains and reagents (list G). Pp. 36.

Ilford, Ltd., Ilford, Essex: General. September 1. Pp. 64.

DISPLAY MATERIAL

Thermos, Ltd., Seymour Road, Leyton, London, E.10: Counter unit to show any three Thermos vacuum flasks. The unit is 17 in. long x 6 in. deep x 15 in. high in red, grey and black on white.

Rozalex, Ltd., 10 Norfolk Street, Manchester, 2: Rozalex waterless skin cleanser. Point-of-sale, strutted display card, 8 x 5 in.

PRESS ADVERTISING

Thermos, Ltd., Seymour Road, Leyton, London, E.10: Thermos vacuum flasks (Christmas campaign). In Sunday newspapers and women's magazines.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, October 24

Finchley Branch, Pharmaceutical Society, Bull and Butcher, Whetstone, London, N.20, at 8 p.m. Mrs. M. Thatcher, M.P., on "Resale Price Maintenance as I see It."

Plymouth Branch, Pharmaceutical Society, Grand hotel, at 7.30 p.m. Mr. A. R. G. Chamings (a member of the Society's Council) on "Trends in Modern Medicine."

Romford Branch, Pharmaceutical Society, Unicorn hotel, Gidea Park, at 7.45 p.m. Dr. O. P. W. Robinson (Beecham Research Laboratories, Ltd.) on "Acidity, Dyspepsia and Peptic Ulcer."

Tuesday, October 25

Birmingham and Midland Section, Society of Chemical Industry, lecture theatre, chemistry department, Birmingham University, Edgbaston, at 4 p.m. Dr. E. P. Abraham, F.R.S., on "Biochemical Aspects of the Antibiotics." (Open to non-members.)

Blackpool Branch, Pharmaceutical Society, Imperial hotel, at 7.45 p.m. Mr. G. Price (Geigy, Ltd.) on "A Review of Psychiatric Therapeutics."

Harrow Branch, Pharmaceutical Society, Roxborough hotel, at 8 p.m. Dr. F. E. Camps (Home Office pathologist) on "Poisoning—Accident, Suicide or Murder ?"

Kingston Productivity Association, All Saints' hall, Ashdown Road, at 7.30 p.m. Films on "Retail Efficiency" (admission free).

Wednesday, October 26

Enfield Chemists' Association, Wellcome Building, Euston Road, London, N.W.1, at 6.30 p.m. Visit.

Guildford Branch, Pharmaceutical Society, Stoke hotel, at 7 p.m. Annual dinner and dance.

Leeds Branch, Pharmaceutical Society, Parkway hotel, Annual dinner-dance.

London Section, Royal Institute of Chemistry, Goldsmiths College, Lewisham Way, London, S.E.14, at 7 p.m. Mr. R. B. Collins on "Modern Colour Photographic Processes." (Open to non-members.)

Manchester Pharmaceutical Association and Branch, Plaza ball-room, Oxford Street, at 7.30 p.m. Ball in aid of the Pharmaceutical Society's Benevolent Fund.

West Kent Branch, Pharmaceutical Society, Yorkshire Grey hotel, Eltham, London, S.E.9, at 7.30 p.m. Annual dinner and dance.

Thursday, October 27

Finchley Branch, Pharmaceutical Society, Selborne hall, The Green, Southgate, London, N.14, at 7.30 p.m. Buffet-dance.

Isle of Wight Branch, Pharmaceutical Society, and Isle of Wight Law Society, Bugle hotel, Newport, at 7.30 p.m. Mr. C. C. Stevens (Imperial Chemical Industries, Ltd.) on "Legal Aspects of Homicide."

London Section, Royal Institute of Chemistry, Borough Polytechnic, Borough Road, London, S.E.1, at 7 p.m. Professor C. W. Davies on "Aspects of Ion Exchange."

Newcastle and Northumberland Branch, Pharmaceutical Society, theatre No. 3, chemistry department, King's College, Newcastle-on-Tyne, at 7.30 p.m. Detective Chief Inspector C. Chapman (Police liaison officer to the Home Office northern forensic science laboratory) on "Photography and Forensic Science in the Detection of Crime."

Nottingham Branch, Pharmaceutical Society, Visit to sewage disposal department, Stoke Bardolph.

Portsmouth Branch, Pharmaceutical Society, Royal Beach hotel, Southsea, at 7.45 p.m. Members' night.

Advance Information

Medical Group, Royal Photographic Society, 16 Princes Gate, London, S.W.7, November 7–22. Exhibition of medical photography.

Weed Control Conference, Grand hotel, Brighton, November 7–10.

TELEVISION

Figures in the columns represent number of appearances of the product during the week

October 30 to November 5	London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster
Alka-Seltzer	1	5	1	1	1	1	1	1	
Anadin	2	1	2	1	1	—	—	—	
Angettes	3	3	2	—	—	—	—	—	
Aspro	5	3	2	3	4	3	4	3	
Beecham's pills	1	—	2	2	1	1	1	1	
powders	4	3	5	4	4	4	2	4	
Bristow's shampoos	1	—	—	—	—	1	—	—	
Bronchipax	1	—	—	1	1	3	—	—	
California Syrup of figs	—	—	1	—	—	—	—	—	
Christy's emulsion	—	—	—	—	—	—	—	1	
face pack	—	1	—	1	—	—	—	—	
Coldrex	4	3	3	3	3	3	3	4	
Coliclean	—	—	1	—	—	—	—	—	
Cooper's aerosols	8	8	4	6	7	7	5	5	
Crookes Dekrasil capsules	—	—	3	—	—	—	4	—	
Cuticura	2	—	—	—	—	—	—	—	
Deep Heat	—	1	—	3	2	3	1	2	
Delsey	—	—	—	3	—	—	3	—	
Ekco nurseryware	—	—	—	—	1	—	1	—	
Elliman's embrocation	—	1	1	—	1	—	—	1	
Eno's fruit salt	—	2	—	—	2	—	—	—	
Euthymol tooth-paste	—	—	1	—	1	—	—	—	
Fynnon salt	—	1	1	1	1	1	1	1	
Germolene	1	4	1	3	3	3	1	3	
Gon tablets	—	1	—	—	—	—	—	—	
Guavin	—	—	—	—	—	2	—	—	
Horlicks	2	2	2	2	2	2	1	1	
Imperial Leather soap	3	5	3	2	2	2	3	2	
Izal tissues	—	—	—	—	—	—	1	—	
Johnson's baby products	—	1	3	1	—	—	—	—	
Kleenex	4	3	3	4	3	4	4	2	
Kruschen salts	—	—	3	—	—	—	—	—	
Lantigen products	—	—	1	—	—	—	—	—	
Loxene hair cream	3	4	4	1	3	2	1	2	
shampoo	1	1	1	1	1	1	1	1	
Milk of Magnesia	2	—	—	2	2	2	2	2	
tablets	—	1	1	—	—	—	—	—	
Monastery herbs	—	—	2	—	—	—	—	—	
Owbridge's products	—	—	—	—	—	—	1	—	
Pancts	5	—	—	—	—	—	—	—	
Penetrol inhalant	1	1	1	—	—	—	1	—	
Pepsodent tooth-paste	1	—	—	—	—	—	—	—	
Philips electric blankets	—	—	—	1	—	1	—	—	
Philishave	5	5	5	5	5	5	5	5	
Phillips tooth-paste	1	—	—	—	—	—	—	—	
Phosferine	1	1	1	—	—	—	—	—	
Phyllosan	1	1	1	—	—	1	—	—	
Pifco massager	1	1	1	1	1	1	1	1	
Rennies	2	2	2	3	2	2	2	3	
Rimmel	—	1	—	—	—	—	—	—	
Rinstead pastilles	1	1	1	1	—	1	—	—	
Silvikrin liquid shampoo	1	1	2	2	1	2	2	1	
T.C.P.	1	1	1	—	—	—	—	—	
Tru-Gel	4	2	2	1	3	3	2	2	
Vaseline petroleum jelly	4	4	4	4	4	4	4	4	
Veno's cough mixture	3	2	1	2	2	—	2	—	
Vykmin	1	1	1	—	1	1	1	1	
Wincarnis	—	2	—	—	—	—	—	—	
Winspray products	—	—	—	—	—	1	—	—	
Yeast-vite	1	1	—	—	1	—	—	—	

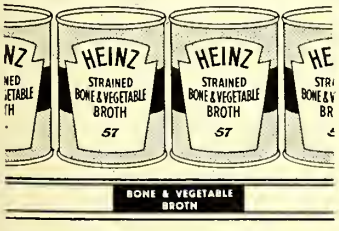


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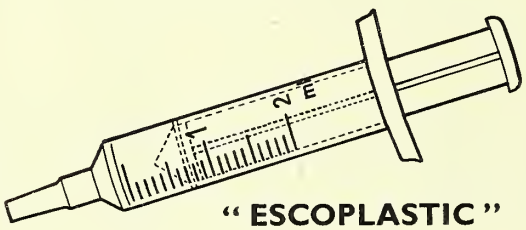
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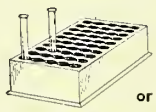


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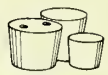
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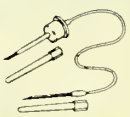
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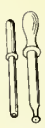




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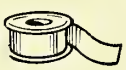
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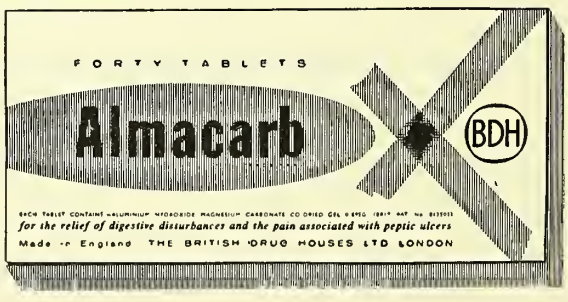
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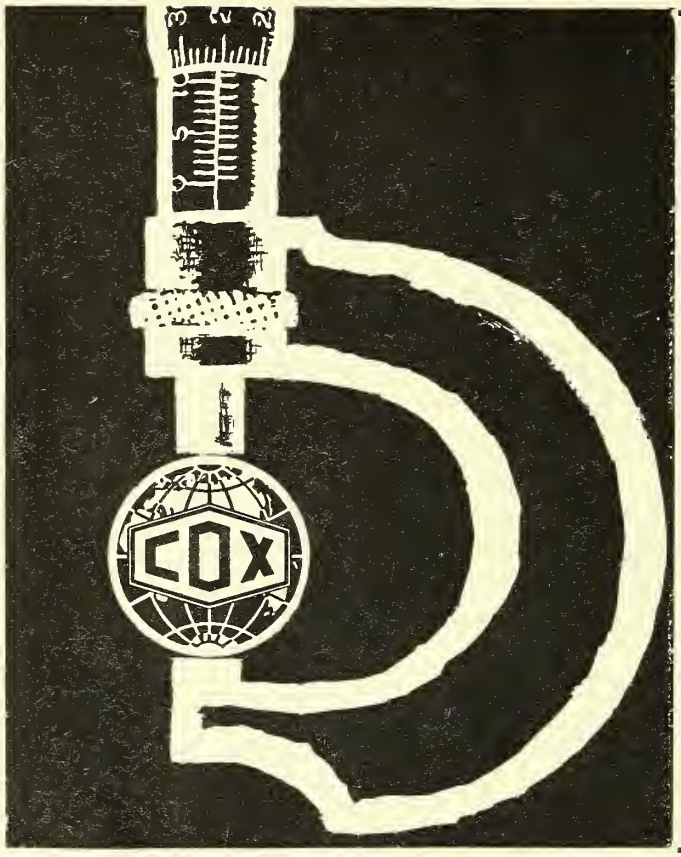
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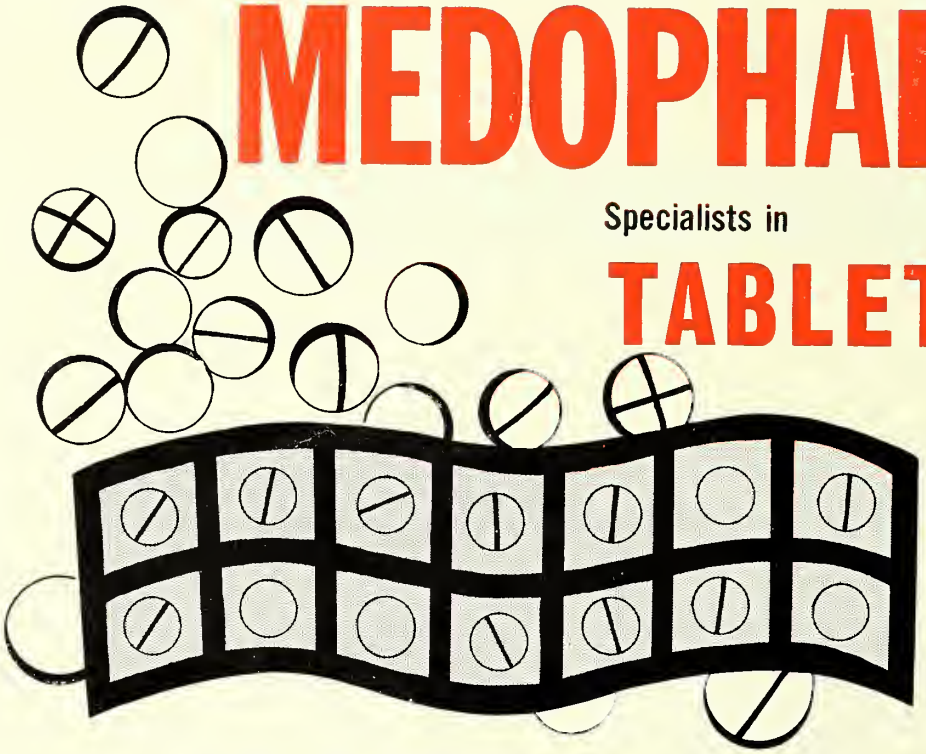
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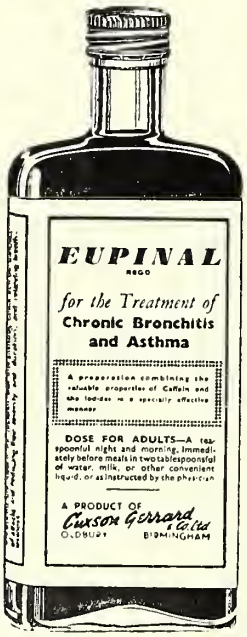
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Eupinal contains the valuable properties of Caffeine with those of Iodides in an effective and stable form, and is suitable for children and adults. It is not a sedative and contains no poisons. In addition to being safe, it is effective—relieving mild Broncho-spasm and acting as an expectorant, thus helping to check the course of the disease.

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4 ozs. TRADE: 28/- + 7/- P.T. Doz. Retail 4/2 each.
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Also available with Ephedrine.

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'SKYLON' POLYTHENE HOT WATER BOTTLES

Light in weight and complete with polythene cap and rubber seal, these bright colours are a certain attraction at "point-of-sale"



Shown here is one of the two attractively printed polythene film wrappers that always draw attention —the second shows Father in his nightgown and cap!

Ask your Wholesaler to show you the bottles in their printed wrappers and stock up NOW for the "winter-rush"!

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FIBRENYLE Limited

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LONDON, W.3

JACW/F/6a

C

"BRITAIN'S DRUG BILL NOT EXCESSIVE" SAYS LORD BOOTHBY

PRICE OF MEDICAL CARE CONSTANT FOR FIFTY YEARS



Opening Winthrop House, the new Surbiton offices of Winthrop Group, Ltd., the Rt. Hon. Lord Boothby, K.B.E., Ll.D., spoke trenchantly on the subject of British expenditure on pharmaceutical benefits. He pointed out that the proportion of income per head of population spent on pharmaceutical services in the majority of countries which do not have a free health service is higher than in Britain. "This is true," said Lord Boothby, "not only of the *total* expenditure on pharmaceutical benefits, but, in addition, the expenditure by the State or private insurance in these countries is also a higher percentage of per capita income than in Britain."

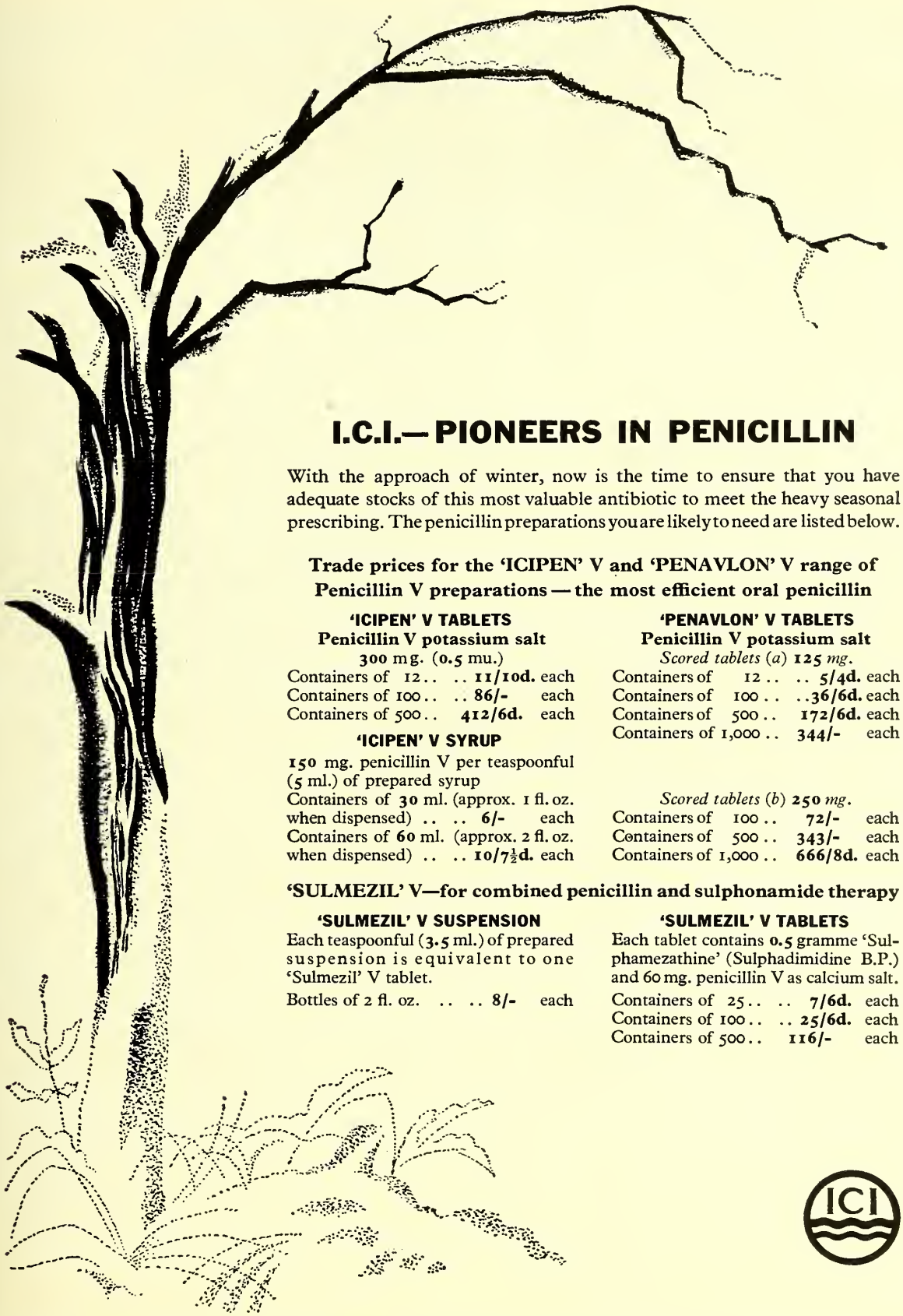
A MOST REMARKABLE FACT

Lord Boothby went on to discuss the question of drug costs. "We are told that it is necessary to curb the rising cost of drugs, yet in fact expenditure on drugs has always represented the same proportion of total National Health Service expenditure. This is true in spite of the enormous benefits from new, more complex, and therefore more costly drugs. At the present time about 3.7% of the national income is spent on the National Health Service. Going back over 50 years, to before the First World War, published figures show that this proportion has remained almost constant. This is a most remarkable fact when one considers the social and economic revolution which has occurred in the last half century."

LORD BOOTHBY LAUNCHES VIRUGON

At the end of the opening ceremony, Lord Boothby pressed a remote control button which set into motion machinery at the Winthrop Newcastle factory for the manufacture of Virugon.

A new preparation of the Bayer Products Division, Virugon is the first anti-viral synthetic. It will be available in Britain from November 1st, 1960, and is of proved value in the prophylaxis and treatment of influenza, measles, mumps, chicken pox and herpes zoster.



I.C.I.—PIONEERS IN PENICILLIN

With the approach of winter, now is the time to ensure that you have adequate stocks of this most valuable antibiotic to meet the heavy seasonal prescribing. The penicillin preparations you are likely to need are listed below.

Trade prices for the 'ICIPEN' V and 'PENAVLON' V range of Penicillin V preparations — the most efficient oral penicillin

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Penicillin V potassium salt
300 mg. (**0.5** mu.)

Containers of 12 .. .. **11/10d.** each
Containers of 100 .. .. **86/-** each
Containers of 500 .. **412/6d.** each

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150 mg. penicillin V per teaspoonful (5 ml.) of prepared syrup

Containers of **30** ml. (approx. 1 fl. oz. when dispensed) .. .. **6/-** each
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'PENAVLON' V TABLETS
Penicillin V potassium salt

Scored tablets (*a*) **125** *mg.*

Containers of 12 .. .. **5/4d.** each
Containers of 100 .. ..**36/6d.** each
Containers of 500 .. **172/6d.** each
Containers of 1,000 .. **344/-** each

Scored tablets (*b*) **250** *mg.*

Containers of 100 .. **72/-** each
Containers of 500 .. **343/-** each
Containers of 1,000 .. **666/8d.** each

'SULMEZIL' V—for combined penicillin and sulphonamide therapy

'SULMEZIL' V SUSPENSION

Each teaspoonful (**3.5** ml.) of prepared suspension is equivalent to one 'Sulmezil' V tablet.

Bottles of 2 fl. oz. .. .. **8/-** each

'SULMEZIL' V TABLETS

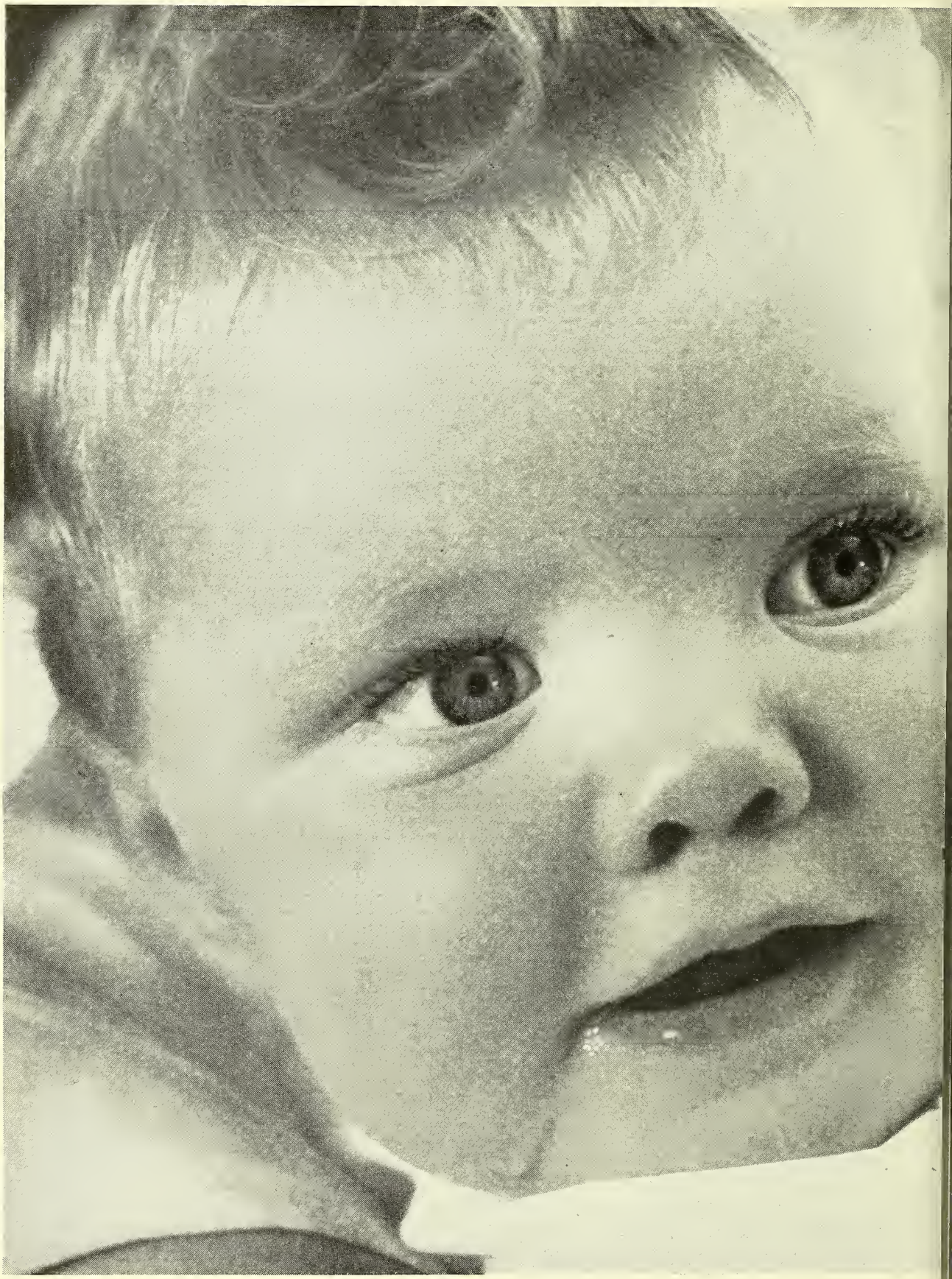
Each tablet contains **0.5** gramme 'Sulphamezathine' (Sulphadimidine B.P.) and 60 mg. penicillin V as calcium salt.

Containers of 25 .. .. **7/6d.** each
Containers of 100 .. .. **25/6d.** each
Containers of 500 .. **116/-** each

ICI

IMPERIAL CHEMICAL INDUSTRIES LIMITED PHARMACEUTICALS DIVISION WILMSLOW CHESHIRE
Ph.76

D



MY FACE IS YOUR FORTUNE

"Look out for my face on October 27 in the 'Daily Express', when I shall be appearing before over 12,000,000 readers on behalf of Ostermilk and Farex." The 'Daily Express' is just *one* of the leading national newspapers and women's magazines which regularly carry Ostermilk and Farex advertising.

Glaxo Laboratories Ltd · Greenford · Middlesex

REMINDER!

the 'Vasylox' bonus offer closes soon



You have until 31st October to place your orders for 'Vasylox' brand Drops or 'Vasylox' brand Spray.

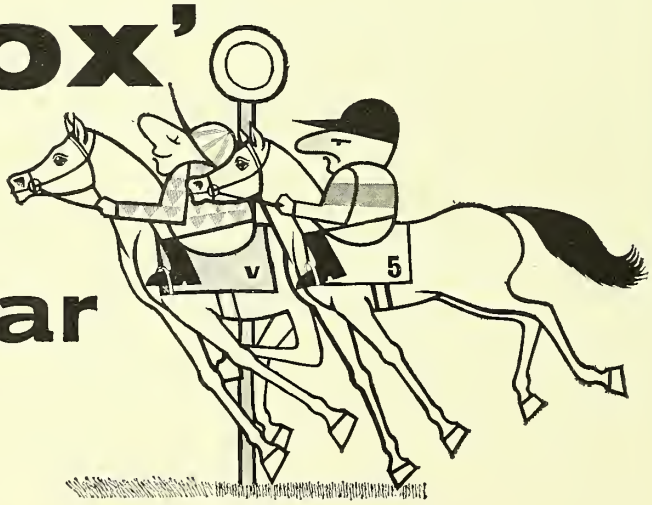
REMEMBER

13 **to the dozen on orders of three complete dozens, and**

14 **to the dozen on orders of six complete dozens or more, of Drops or Spray or both.**

'Vasylox' will be in great demand during the season of colds and catarrh, for it clears nasal congestion quickly, safely, and without causing secondary engorgement. Be sure to place your orders while the bonus offer is still open, and prove for yourself that

'Vasylox' wins by a clear head



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QUINASP

COLD CAPSULES

Will you please in future send your orders for Quinasp direct to Fassett & Johnson Ltd., 86 Clerkenwell Road, London, E.C.1.

Coinciding with this new arrangement — vigorous Advertising will take place in the London Evening Newspapers between now and Christmas, and this will be extended in the New Year

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for the busy dispenser



- Non-splay side walls maintain constant fit of box and lid.
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- Incorporating a Polythene and parchment barrier.
- Unaffected by damp.
- Clean cut edges to box and lid prevent loose fibres entering contents.

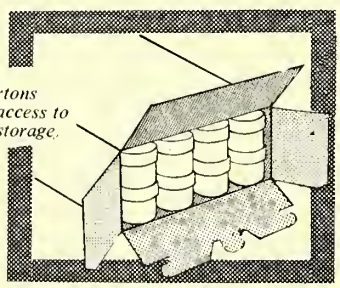
This NEW box

which incorporates a special feature to prevent the bottom from becoming displaced, has been designed as a quick and more convenient aid to dispensing.

Perfectly suited to hold powder, tablets, ointment or cream, the A.P.D. is invaluable when duplication of stock boxes must be kept to a minimum.

introducing the A·P·D (ALL PURPOSE DISPENSING BOX)

All A.P.D. boxes are packed in spill-proof cartons specially made to give easy access to contents and for convenient storage.





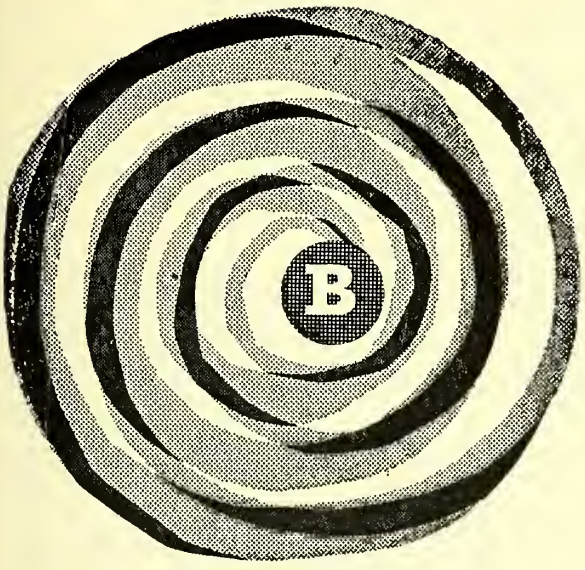
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ROBINSON AND SONS LIMITED WHEAT BRIDGE MILLS CHESTERFIELD

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In the pharmaceutical industry

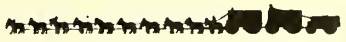
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more ideas begin with BORON

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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 174 October 22, 1960 No. 4210

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Tubes of 15 grammes
Basic N.H.S. Price 10/-

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A palatable reconstructive tonic, combining appetite-promoting vitamin B_1 with strychnine and mineral glycerophosphates . . .



METATONE *speeds recovery*

by rapidly restoring normal metabolic function

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WPS 1077

THIS CHILD'S

may depend on the safety of 'Distaval'

Consider the possible outcome in a case such as this —had the bottle contained a conventional barbiturate. Year by year, the barbiturates claim a mounting toll of childhood victims. Yet today it is simple enough to prescribe a sedative and hypnotic which is both highly effective... and outstandingly safe. 'Distaval' (*thalidomide*) has been prescribed for nearly three years in this country, where the accidental poisonings rate is notoriously high, but there is no case on record in which even gross overdosage with 'Distaval' has had harmful results.

'DISTAVAL'

TRADE MARK

	PACK	TRADE PRICE
'DISTAVAL'	tube of 24	2s. 6d.
25 mg. tablets	bottle of 100	8s. 4d.
	500	40s. 0d.
	1,000	77s. 6d.
'DISTAVAL' FORTE	tube of 12	3s. 8d.
100 mg. tablets	bottle of 100	22s. 4d.
	500	105s. 8d.
	1,000	204s. 0d.

DCBL

THE DISTILLERS COMPANY (Biochemicals) LIMITED
BROADWAY HOUSE, THE BROADWAY, WIMBLEDON, LONDON, S.W.19
Telephone: LIBerty 6600
Owners of the trade mark 'Distaval'

PPH 16/60A

IFE



CELBENIN BRL 1241

REGD. TRADE MARK

effective against *all* resistant staphylococci

BEECHAM RESEARCH LABORATORIES have pleasure in announcing Celbenin —the first non-toxic antibiotic effective against all resistant staphylococci.

Celbenin is bactericidal to all strains of staphylococci irrespective of their resistance to penicillin or any other antibiotic. Clinical results show that the problem of resistant staphylococcal infection can be overcome with Celbenin.

* effective against *all* resistant staphylococci
* non-toxic
* bactericidal in action
* no cross-resistance with other antibiotics
* resistance unlikely to develop

Celbenin is chemically : Sodium 6—(2,6—dimethoxybenzamido)penicillanate monohydrate.

ADMINISTRATION

Celbenin is given by intramuscular injection.

AVAILABILITY

Celbenin is presented as 1 gramme vials, in cartons of 5, 25, and 100.

CELBENIN BRL 1241

REGD. TRADE MARK

DEVELOPED BY

BEECHAM RESEARCH LABORATORIES LTD

BRENTFORD ENGLAND • TELEPHONE ISLEWORTH 4111



6/6 PROFIT ON EVERY BOTTLE!

- Every greying or grey-haired man or woman coming into your shop is a potential customer for FORMULA 16.
- Thousands of satisfied users prove FORMULA 16 brings natural-looking colour back to grey or greying hair.
- Every bottle of FORMULA 16 you sell represents a profit of 6/6d. Retail price 26/- incl. Tax.
- Advertised regularly throughout the Autumn in Sunday Nationals and Women's magazines.

display,
sell, make bigger profits
with **formula 16**

ORDER NOW FROM YOUR USUAL WHOLESALER.

L. E. VINCENT & PARTNERS LTD., 7 CHESTERFIELD GARDENS, LONDON, W.1. GROSvenor 4446

PUT A NAME TO THIS...

with the

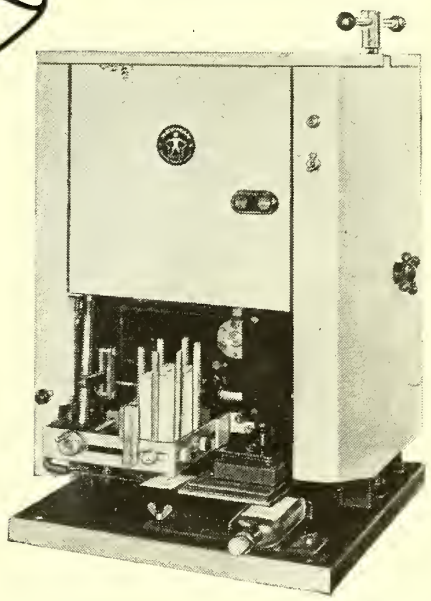
HEFIX

THERMOPLASTIC LABELLER

This machine fixes thermoplastic labels to all sizes of bottles, cartons and containers at any speed up to 60 per minute. The Hefix is quick, clean and versatile and has the Newman reputation for reliability and long life.

Consider these features:

- **Compact design gives portability**
- **Two-station movement for perfect register**
- **Thermostatic heat control**
- **The most economical Thermoplastic Labeller**



Newman *FOR MODERN LABELLING EQUIPMENT*

Write or 'phone for illustrated leaflet:

NEWMAN LABELLING MACHINES LTD., QUEENS ROAD, BARNET, HERTS. *Telephone: BARnet 9666*

INECTO proudly announce

2 new creations join their famous family



INECTO CREME HAIR LIGHTENER

A gentle, enriched cream bleach that will lighten hair two or three shades in one application. Gives a wonderfully natural effect, is very easy to use and leaves the hair in gleaming condition.

PRICE:
Wholesale: **20/-** per doz + PT packed in outers of ½ doz. Retail: **3/4**

INECTO HI-LIFT

The fastest, whitest powder bleach ever offered on the retail market. Very gentle to the hair. Produces wonderfully professional pale shades and provides the perfect base for pastel tints and rinses.



PRICE:
Wholesale: **21/-** per doz + PT packed in outers of 1 doz. Retail: **3/6**

Need we say it? Stock up *now*—and be the fellow who's making the profits when these two honeys catch on with beauty-conscious women!

Creme Hair Lightener and Hi-Lift are the two newest products offered by Inecto, the world's largest and most experienced manufacturers of hair colouring.

Advice Bureau: INECTO HOUSE, 27 DOVER STREET, LONDON, W.1. Telephone: HYDe Park 7541 (12 lines)

Fast aid for the Family

ST. JAMES' BALM is the proven remedy for common skin troubles—and for some quite uncommon ones too! Because it contains the broth filtrates of the microbes causing most skin infections, treatment is successful in an exceptional number of cases. ST. JAMES' BALM is therefore the ideal general-purpose ointment for family use. On merit alone, ST. JAMES' BALM is in steadily increasing demand. *You may stock and recommend it with absolute confidence.*



ST. JAMES' BALM

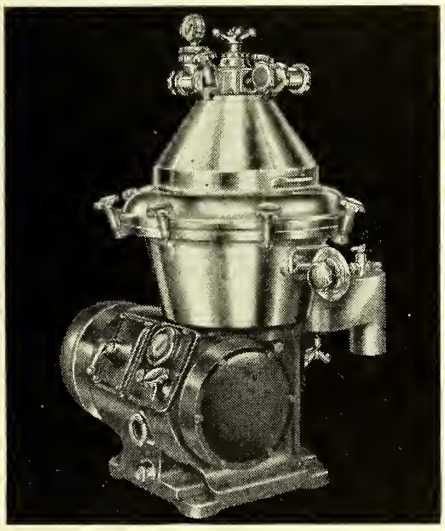
MEDICO-BIOLOGICAL LABORATORIES LTD.
LONDON, S.E.25

Sole Distributors for the U.K.:
ARCHER LABORATORIES LTD., CARGREEN ROAD, LONDON, S.E.25

PB34

DE LAVAL

IN THE PHARMACEUTICAL INDUSTRY



DE LAVAL CENTRIFUGAL CLARIFIERS

The quickest—most efficient and most economical way of CLARIFYING LIQUIDS!

All stainless steel contact where required, and hermetic construction available for materials where no air contact is permitted.
Capacities from 1 g.p.h. upwards.

A few typical products, in the preparation of which De Laval Clarifires are used by many leading manufacturers, include:—

Gland Extracts	Insulin	Riboflavin
Liquorice Extracts	Morphine	Vitamin B12
Senna Extracts	Quinine	Vaccines

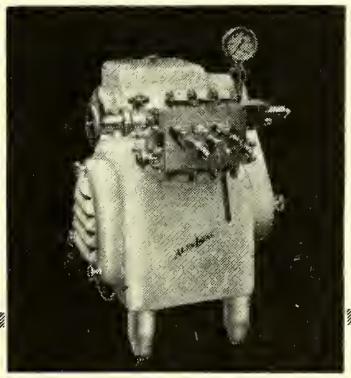
And for capacities up to 6,600 g.p.h. the new Self-Cleaning Clarifiers with automatic solids ejection—fully automatic control and no shut-downs for cleaning.

DE LAVAL All Stainless Steel Self-Cleaning Clarifier.

DE LAVAL ASTRA HOMOGENISERS
For your Pharmaceutical Emulsions

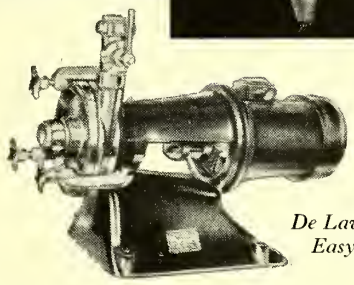
Capacities 55-2,200 g.p.h.
Pressures up to 4,000 p.s.i.

DE LAVAL 100 g.p.h. Homogeniser

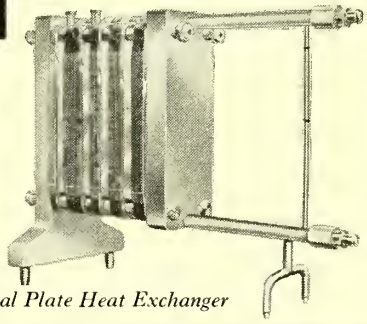


For counter current extraction—
DE LAVAL SEPARATORS

De Laval Separators operating on counter current extraction principles are used by leading Penicillin and other antibiotic manufacturers—they give flexibility of operation—a clean separation and a very high degree of extraction.



De Laval Easy Clean Pump



De Laval Plate Heat Exchanger

DE LAVAL Easy Clean Stainless Steel Pumps and Plate Heat Exchangers
for your pumping and heat exchange problems.

ALFA-LAVAL COMPANY LTD ALFA-LAVAL GREAT WEST ROAD • BRENTFORD • MIDDX • *Tel: I'*

nicotex

another good line for the chemist . .

Cleans away unsightly stains from the hands



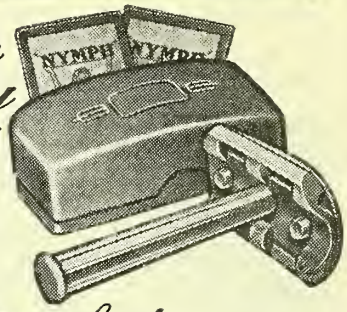
Easily removes
NICOTINE · FRUIT · VEGETABLE INK and TYPEWRITER INK and other stains from hands, fingers and nails.

★ *packed in attractive display outers each containing six jars :* **22/-** Per dozen + P.T. 50%
Retailing at **3/6d**

Maria St. George LIMITED
12 PHILLIMORE TERRACE, W.8. Tel: WEStern 6534

A Gift a Woman gives Herself...

counter display ensures quick sales



Nymph *ladies' safety razor*

Backed by national advertising



Every woman is a possible buyer of this dainty toilet accessory. Reasonably priced at 3/6d. to ensure spontaneous purchase! Complete in moulded case with 2 blades, in PINK, BLUE, GREEN. " Nymph " Blades in cartons of 6 blades, 1/5d.
Obtainable from your usual wholesaler.

▲ PRECISION-MADE SOUPLEX PRODUCT

SOUPLEX LTD., MORECAMBE, LANCS.

JKL

BOTANICALS
CHEMICALS
GUMS

ESSENTIAL OILS
SPICES
WAXES

★

MENTHOL

Brazilian
Formosan
Chinese
Japanese

★

PEPPERMINT OIL

Formosan
Brazilian

★

NEW YORK HAMBURG

JOHN KELLYS (LONDON) LTD.

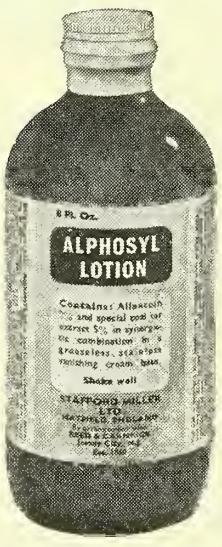
24 OLD BROAD STREET, E.C.2

Telephone: LONdon Wall 6585 (4 lines)
Telegrams: "Ergotine, Stock, London"

alphosyl

LOTION

Now being widely prescribed for PSORIASIS



A full scale campaign to the medical profession is now taking place, and never a day goes by without gratifying results of what Alphosyl is achieving in cases of Psoriasis. Available in 8 fluid oz. bottles from :—



STAFFORD—MILLER LTD.
HATFIELD · HERTS.
By arrangement with Reed & Carnrick Inc.

A LOT MORE MEN WILL GET THE REMINGTON SHAVE THIS CHRISTMAS



Extensive Network TV! Every week hard-selling Remington commercials will be seen by over 34½ million viewers. They'll see the outstanding advantages of the Remington Shave—the shave that's closer, stays smoother longer.

National Press! Large spaces in *Daily Mirror* and colour half-pages in *Woman* will tell readers to buy Remington this Christmas. Gift buyers will be told about the new low price, and about the value of the Remington shaver as a gift.

Free Display Material! Attractive display pieces are available to you free. You can link up your display with the advertising campaign and clinch the sale. Write for details, to :—Sales Promotion Department, Remington Electric Shaver Ltd., 26-40 Kensington High Street, London W.8.



PROMOTE YOURSELF TO BUMPER CHRISTMAS PROFITS!

The Remington Shave is the world's finest shave. Every man who cares about his appearance wants it for Christmas. That means many, many gift buyers will be out to buy a Remington. Make sure they buy them from you!

Now's the time to stock REMINGTON—display REMINGTON!

From DR. J. BROWN
12 NORTH ROAD
HATBURY
TELEPHONE
402

Elastic Yarn Stockings 2-way stretch

In a case like this.... dispense BURSON

Burson Stockings, made exclusively on special knitting looms, are the product of many years' intensive research into the making of surgical stockings.

Always dispense **and recommend** Burson 2-Way Stretch Hosiery and ensure your customers' complete satisfaction. The quality—finish—colour and durability of Burson Hose make them the first choice of those who appreciate the best. Burson Stockings are fully fashioned and virtually indiscernible in use.

Burson Stockings are advertised in the Medical Journals and in a strong list of National Weekly Newspapers and Women's Magazines.

AVAILABLE FREE ON REQUEST WITH BURSON STOCKINGS:—

- *Instruction Chart with details for measuring, fitting and exact adjustment to fit and tension.*
- *Individual Measurement and Order Forms.*
- *Instructions for mending and washing.*
- *Illustrated leaflets for your customers.*

BURSON*

TWO-WAY STRETCH HOSIERY IS MADE FROM LASTEX YARN

Your clients may well prefer these wonderful Burson Nylon Stockings, made on the identical, exclusive machines which have made Burson leaders in their field, and which can now be dispensed under the N.H.S.

Sole Distributors:—FASSETT & JOHNSON LTD.,
86 CLERKENWELL ROAD, LONDON, E.C.1
Also at 6 CROW STREET, DUBLIN

*Burson is the registered trademark of the Kendall Company Boston, Mass., U.S.A.

For all
ETHICALS
Smith & Hill
service
Is second to None



Smith & Hill (Chemists) LTD.
MATILDA STREET, SHEFFIELD 1
Tel. 28383 (5 lines)
Also CARDINAL WORKS, CARDINAL STREET, NOTTINGHAM Tel. 54347-8-9
79A URBAN ROAD, HEXTHORPE, DONCASTER Tel. 65261-2

A Beautiful Gift

HANSON

Quality Scales Since 1888
Made in U.S.A.



Exclusive equaliser bar mechanism enables this scale to weigh accurately on carpeted or uneven floors in bedrooms or bathrooms. Oversize dial you can see and be sure.

75/6 Inc. Tax.

Other models from **56/9** Inc. Tax.

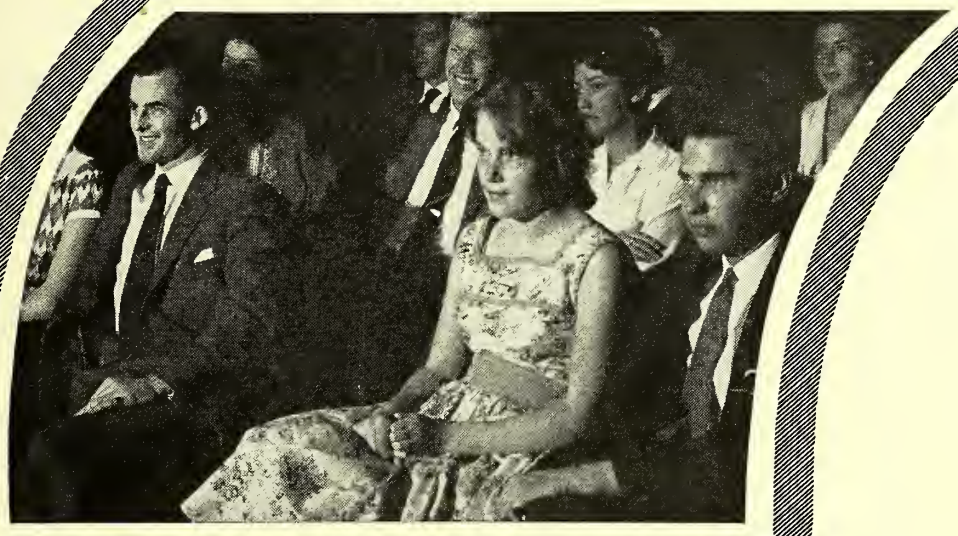
Can be hung on the wall

Obtainable from Selected Wholesalers or:—

LEONARD McEWEN LTD
28-36 ORSMAN ROAD, KINGSLAND ROAD, LONDON, N.1. Tel.: SHOreditch 7754

9. SELLING IN THE CINEMA

HERE'S A WEALTH OF YOUNG PEOPLE!



Take a good look at the average cinema audience. One thing strikes you at once—this is a crowd where the accent's very much on youth. IPA and SAA research shows that 78% of the 16-34 age group are regular cinema-goers*. This age group can be divided into two parts. First, there's the 16-24 section, 'teenagers' with £900 million a year to spend, who are forming today the brand loyalties of tomorrow. 91% of this age group are regular cinema-goers*; they visit the cinema, on an average, once every ten days.

66% of their older brothers and sisters in the 25-34 age group are regular cinema-goers*, visiting the cinema about once every sixteen days. This age group includes the young married, the young engaged and the going steadies. This too is a market of wage earning young people, potential customers for goods of all kinds. The 'young market' (the 18-34 age group) makes up seven out of every ten consumers available to the cinema advertiser. The cinema audience offers a golden opportunity that no advertiser can afford to ignore. And when you sell to these young people on the screen, you get the benefit of several advantages unique to the cinema.

You can put over your sales message with all the impact of colour, sound (including music with a beat) and larger-than-life movement to an audience that's relaxed and ready to listen. You can dominate your market with a nation-wide campaign, or concentrate on a test-marketing area. Rates are stable, with no increase for peak-viewing times.

At Pearl & Dean we have many years' experience in making colourful and entertaining films that really sell. **If you want to sell to young people** we can certainly help you. Why not get in touch with us and talk it over?

** Go on an average once a fortnight or more.*

Sell in the cinema through Pearl & Dean

33 DOVER STREET, LONDON W.I · MAYFAIR 7494

Now nights are turning cold

BIGGER DEMAND

Now's the time your sales go up. Customers who know how effectively Besorbon nips colds in the bud, now come back for more. Sales are maintained by personal recommendation between friends.

FREE DISPENSER

Stock Besorbon by the dozen and obtain the attractive counter unit free. By displaying Besorbon boldly now, you'll gain new customers—more profit.

it's big selling for

BESORBON
REGD. TRADE MARK

MEDICINAL SNUFF

Kemsales Ltd. · Eastcheap · London, E.C.3

THOVALINE

for:—

BEDSORES

BEDSORES can be prevented by applying **THOVALINE** before the trouble starts but if already in existence will help greatly in healing.

BURNS

BURNS Unique action. **THOVALINE** is self sterile It eliminates pain and is a rapid healer.

DERMATITIS

URINE DERMATITIS Excellent healing properties where rash exists and will prevent such trouble occurring if applied beforehand. Offensive odour is eliminated.

Supplies from your usual wholesale house :

ILON LABORATORIES

LORNE STREET · HAMILTON · LANARKSHIRE

Tel : HAMILTON 410

12 DRAWER UNIT

12 Type 'A' Drawers. Available in any multiple of 6 drawers. 8" high by 36" wide by 11¼" deep.

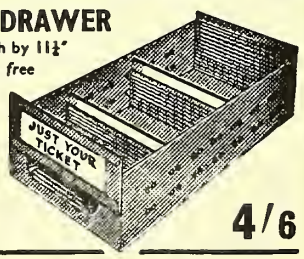


£4.15.0 DELIVERED FREE In England, Scotland and Wales

TYPE 'A' DRAWER

5" wide by 3" high by 11¼" long. With one free divider per drawer.

Extra dividers: plain 6d. each.



4/6

N·C·BROWN LTD

SHELVING DIVISION, HEYWOOD, LANCS. PHONE:- 69018 (6 lines)

ANALGESICS

For many years we have been engaged in this field of manufacture with the result that we now offer the following, all of which, in their separate ways play an increasing and important part in the alleviation of suffering

ASPIRIN B.P.
PARACETAMOL PURE
SALICYLAMIDE PURE

The Symbol of GRAESSER GS SALICYLATES *Quality and Service*

We would welcome the opportunity of quoting our keenest prices and submitting samples.

GRAESSER SALICYLATES LIMITED
SANDYCROFT, NR. CHESTER

Telephone: HAWARDEN 2125 Telegrames "QUALITY" CHESTER

Winthrop Chairman on "Obligation to Make Profits"

In welcoming Lord Boothby, the Chairman of Winthrop Group Ltd., Mr. L. M. Spalton, B.Pharm., M.P.S., said: "The pharmaceutical industry is a free enterprise institution which to survive has an obligation to make profits, and whose members compete strenuously one with another. They compete to find the next advance in therapeutics, and their fine record is so well known to you that I will not repeat it here. They compete to assist the medical profession in any and every way it is within their power or ingenuity to do. They compete to sell and to earn foreign currency for Britain. They compete continuously against themselves and obsolescence. For so dynamic is this industrial quest for knowledge that few drugs can anticipate widespread use for more than about five years."

Mr. Spalton went on to point out that it was time that the contributions of the pharmaceutical industry were more generally recognised and that the competitive circumstances with which it had to grapple—and incidentally the advantages that competition brought—were seen in proper perspective.

QUOTES

Answering the Prime Minister's call

"Four years ago we built in Newcastle-upon-Tyne the most highly mechanized pharmaceutical factory to be completed in post-war Britain. Today nearly 50% of the output of that factory goes overseas. Our pharmaceutical business in Britain is the fourth largest. The Prime Minister recently called for a great band of merchant adventurers to sell British goods overseas. I believe that we in Winthrop have already begun to act in the spirit and the letter of that call."



TRANSCENDING NATIONAL BARRIERS

"Why do our international company of people find co-operation possible, where elsewhere it is so difficult to obtain ? I believe this happy state is due to their possession of a common purpose which transcends national barriers, and the job satisfaction that comes from rendering a service of immense value to their fellow men."

Plaquenil breaks through the Iron Curtain

"Winthrop people know no barrier of nationality, race, creed, or colour, save the Iron Curtain. And whilst that barrier at present resists Winthrop people, it is not impervious to Winthrop products. Today Plaquenil, our latest contribution to the treatment of rheumatoid arthritis, is being exported to treat patients in Czechoslovakia and Poland, and is under clinical evaluation in Moscow."

THE WINTHROP GROUP

Winthrop Group Ltd. comprises companies and divisions operating throughout Western Europe which, individually and collectively, are concerned with the discovery, development, manufacture and distribution of pharmaceutical products. In this country the Group includes Bayer Products and Winthrop Laboratories. Winthrop House is the new British headquarters.

Issued by **Bayer Products**
Division of Winthrop Group Ltd., Surbiton-upon-Thames, Surrey.

Packaging in

MOULDED PLASTICS

by Metal Box

More and more famous products are packaged today in moulded plastics containers by the Plastics Group of Metal Box. Pharmaceuticals, foods, household products, cosmetics—all are being attractively and efficiently packaged in moulded plastics. Why? Because Metal Box moulded plastics are light, tough, and extremely colourful. They are supplied from stock moulds, or can be specially designed for each individual product by a Metal Box design unit specialising in moulded plastics.

Consult Metal Box about Poly-Tainer plastic bottles; tubes, pots & cups; and components such as closures and pourers.



METAL BOX
PLASTICS GROUP
PLASTIC FILMS · LAMINATIONS · BOTTLES · MOULDED CONTAINERS

THE PLASTICS GROUP OF
THE METAL BOX COMPANY LIMITED
37 BAKER STREET, LONDON W.1
Hunter 5577



Available from stock

DISPENSING BOTTLES
1-oz. to 20-oz.

RIBBED OVALS
½-oz. to 16-oz.

PLAIN OVALS
4-oz., 8-oz. and 16-oz.

BOW-FRONT PANELS
1-oz. to 8-oz. and 16-oz.

OLIVE OIL BOTTLES
2½-oz., 5-oz. and 10-oz.

RECTANGULAR TABLET BOTTLES
Nos. 1,2,3,4,5,6 and 9 sizes.

OVAL TABLET BOTTLES
Nos. 1 to 7½ sizes.

ROUND SCREW JARS
Tall and semi-squat

PANEL FLATS
1-oz. to 4-oz.

VIALS
½-oz. to 3-oz.

AMBER BOTTLES
We can now offer certain types of Glass Containers in Amber and your enquiries are invited.

WHOLESALE ONLY

NATIONAL
GLASS WORKS (YORK) LTD
FISHERGATE, YORK. Tel. YORK 23021
London Office
CAROLINE HOUSE, 55-57 HIGH HOLBORN.
LONDON, W.C.1. Tel. HOLBORN 2146

SEE HOW GOOD THINGS ARE IN GLASS



'NATIONAL' Glass Containers are packed in closed-top sealed dust free cartons which are easily handled.

Regd Trade Mark

Selling Agents in Northern Ireland: Magowan, Vicars (Chemicals) Ltd., 64/66 Townsend Street, BELFAST. Telephone: Belfast 29830

Big news from

★ Men all over the country (and all over the world) will soon have the chance to buy something rather special . . . a selection of incredibly fine preparations for good grooming, by world-famous Atkinson of Bond Street.

★ Brushless Shaving Cream. Lather Cream. Shaving Bowl. Pre-Electric Shave Lotion. After-Shave Lotion. Talc. Cologne. And a unique preparation—Crystal After-Shave—for the man who wants freshness without sting. All eight products have about them a distinctive aromatic quality. Very slightly sharp. Very clearly masculine. *Very definitely right for your customers.*

ATKINSON

OF BOND STREET

The new range will be launched with a vigorous campaign during the profitable pre-Christmas period. There will be **heavy advertising with large spaces in the National Press.** Full-colour pages in influential magazines and original display material for the point of sale. All this is certain to establish the Atkinson range for men right in the top class.

BIG NEWS

GOOD NEWS

GOOD BUSINESS

ORDER **NOW!**

Vitamins in Bulk



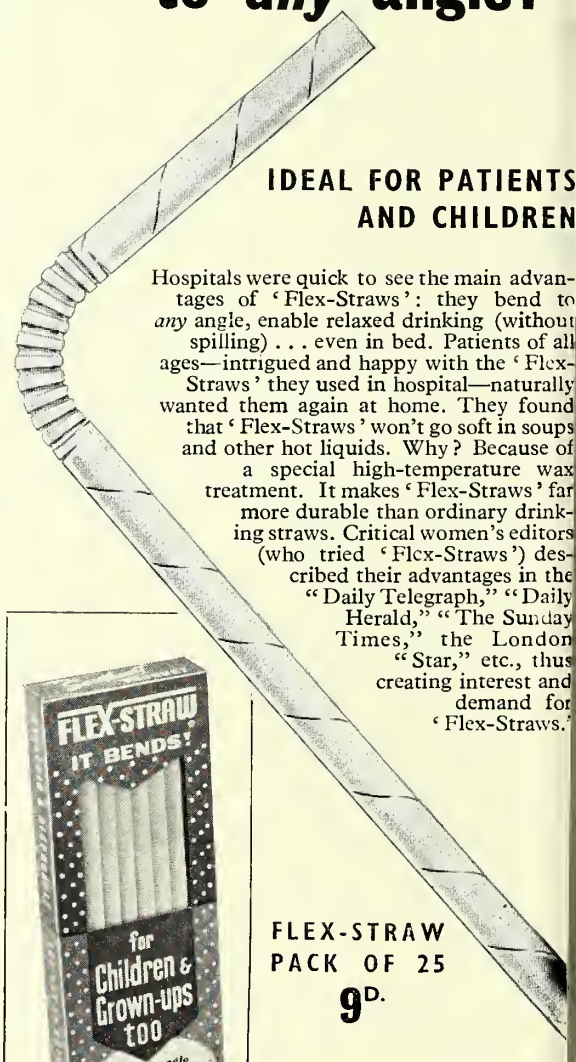
Natural & Synthetic Vitamin A
Vitamin B_1 (Aneurine Hydrochloride B.P.)
Vitamin B.6 (Pyridoxine Hydrochloride B.P.C./U.S.P.)
DL. Calcium Pantothenate U.S.P.
Vitamin C. (Ascorbic Acid B.P.)
Vitamin D_2 (Calciferol B.P./U.S.P.)
Vitamin D_2 (Oily Concentrate)
Natural Vitamin E
(d-Alpha Tocopheryl Acetate)
(d-Alpha Tocopheryl Acid Succinate)
(Mixed Tocopherols)
Natural Vitamin E. (Feed Grade)
Folic Acid B.P./U.S.P.
Inositol
Nicotinic Acid B.P.
Nicotinamide B.P.

Get your vitamins from
VITAMINS LIMITED

Bulk Sales Dept., Vitamins Limited (Dept. A.A.A.),
Upper Mall, London, W.6. *Telephone:* Riverside 5001
Telegrams: VITAMINS, LONDON, TELEX.

FLEX-STRAW

the new Drinking Straw that bends to *any* angle!



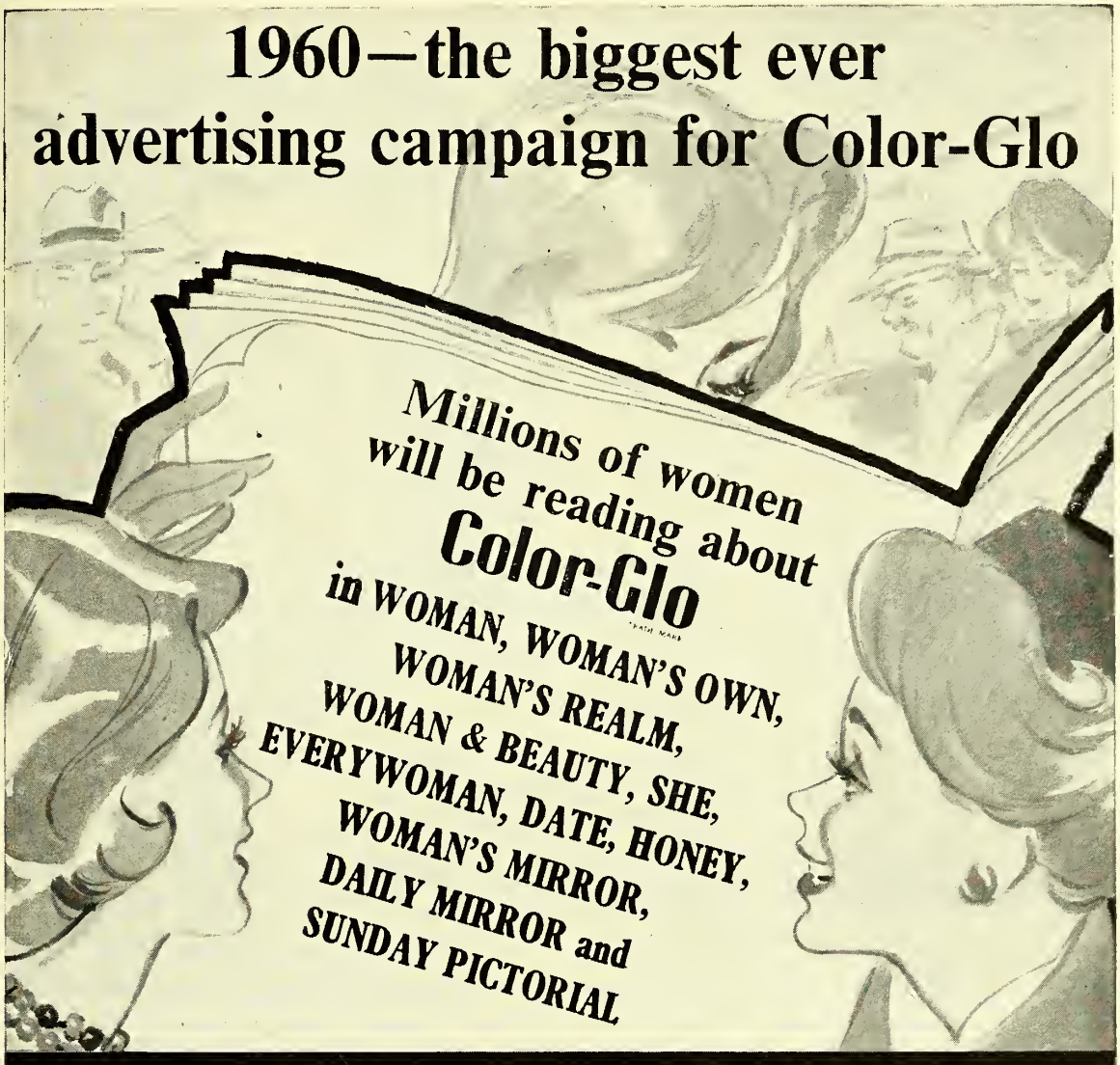
IDEAL FOR PATIENTS AND CHILDREN

Hospitals were quick to see the main advantages of 'Flex-Straws': they bend to *any* angle, enable relaxed drinking (without spilling) . . . even in bed. Patients of all ages—intrigued and happy with the 'Flex-Straws' they used in hospital—naturally wanted them again at home. They found that 'Flex-Straws' won't go soft in soups and other hot liquids. Why? Because of a special high-temperature wax treatment. It makes 'Flex-Straws' far more durable than ordinary drinking straws. Critical women's editors (who tried 'Flex-Straws') described their advantages in the "Daily Telegraph," "Daily Herald," "The Sunday Times," the London "Star," etc., thus creating interest and demand for 'Flex-Straws.'

FLEX-STRAW
PACK OF 25
9D.

Manufactured by:
HYGIENIC DRINKING STRAW CO. LTD.
College Road, Fishponds, Bristol
Telephone: Bristol 653268 & 654209
Telegrams:
DRINKRITE FISHPONDS BRISTOL

1960—the biggest ever advertising campaign for Color-Glo



This means greater sales— and greater profits for you!

When women see you've got COLOR-GLO they'll buy—and be back regularly for more. So don't just stock COLOR-GLO, display eye-catching COLOR-GLO packs and showcards—and link up with the biggest ever COLOR-GLO advertising campaign.

NEW! to bring you even more Color-Glo customers
DEEP RICH CHESTNUT
(for dark brown hair)
and WARM CHESTNUT
(for medium or light brown hair)
Two wonderfully subtle new shades for women who want browner tones.

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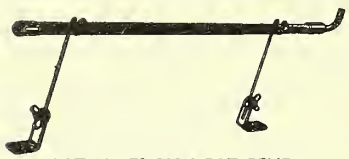
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Assistant-in-Dispensing

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BIRMINGHAM & MIDLAND EYE HOSPITAL, CHURCH STREET, BIRMINGHAM, 3
Senior Pharmacist

required. Engaged almost exclusively on preparation of sterile solutions in small but well equipped department. Whitley Council salary and conditions. Applications, naming two referees, to Hospital Secretary. C 5947

BOW GROUP HOSPITAL MANAGEMENT COMMITTEE
Chief Pharmacist (Category III)

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LINDSAY NICHOLAS,
Group Secretary,
Committee Offices,
St. Clement's Hospital,
Bow Road, London, E.3. C 5961

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Senior Pharmacist

for Bethnal Green Hospital. Modern department approved for training students. Salary scale £770—£1,010 p.a. plus higher qualification allowance and London Weighting. Please apply with details of age, training and experience to the Group Secretary, 213 Kingsland Road, London, E.2. C 553

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Senior Pharmacist

required at above General Post-graduate Teaching Hospital (Category V) to supervise sterile products laboratory and take part in general work of the Pharmaceutical Department. Post offers wide variety of experience. Whitley Council salary scale and conditions. Detailed applications, naming two referees, to Chief Pharmacist as soon as possible. C 5950

KING EDWARD VII HOSPITAL, WINDSOR
Pharmacist

required. Commencing salary £690 to £815 p.a. according to experience. Late Clinics up to six hours per week at 12/6 per hour. Newly qualified Pharmacist welcomed. Applications with two referees to Secretary. C 5968

KING EDWARD VII HOSPITAL, WINDSOR
Locum Pharmacist

required. Applications with full details to Secretary, King Edward VII Hospital, Windsor. C 5936

HOSPITALS FOR DISEASES OF THE CHEST
Senior Pharmacist

Applications are invited for the post of Senior Pharmacist at THE LONDON CHEST HOSPITAL. Salary in accordance with the Whitley Council scales. Applications, stating age, qualifications and experience, accompanied by two testimonials, to the House Governor, London Chest Hospital, E.2. C 5928

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1
Locum Assistant-in-Dispensing

required, Applications to be sent to the Chief Pharmacist (Tel.: STEpney Green 4251). C 5965

LEYTONSTONE (No. 10) HOSPITAL GROUP, WHIPPS CROSS HOSPITAL (CATEGORY V) AND LANGTHORNE HOSPITAL (CATEGORY I)
Pharmacist

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Application forms obtainable from the Group Pharmacist, Whipps Cross Hospital, London, E.11, to be returned by 31st October, 1960. C 5957

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1
Assistant-in-Dispensing

required. Whitley Council salary scale and conditions of service. Applications in writing with full details and the names of two referees, to be sent to the Chief Pharmacist (Tel.: STEpney Green 4251). C 5962

LONDON HOSPITAL, WHITECHAPEL, E.1
Pharmacist

required—Salary £690—£920 according to previous experience and service. Applications to House Governor. C 522

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1
Pharmacist

required at the above hospital from 7th November, 1960. Whitley Council salary scale and conditions of service. Applications in writing, with full details of age, qualifications, experience, etc., and the names of two referees to be sent to the Chief Pharmacist. C 5963

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1
Locum Pharmacist

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SPRINGFIELD HOSPITAL, LONDON, S.W.17

Senior Pharmacist

required. Whitley Council salary scale and conditions of service. Applications immediately to: Group Secretary, Springfield Hospital, Beechcroft Road, London, S.W.17, giving age, qualifications, details of experience and names of two referees. C 5954

SELLY OAK HOSPITAL, BIRMINGHAM, 29

Deputy Chief Pharmacist

Applications are invited for the above post (Category V). Salary £895—£1,200 with higher qualification allowance where applicable. Hospital experience desirable but experience in other branches will be considered. Applications, stating age and previous experience, together with two names for reference, should be sent to the Administrator, Selly Oak Hospital. C 5955

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Assistant-in-Dispensing

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